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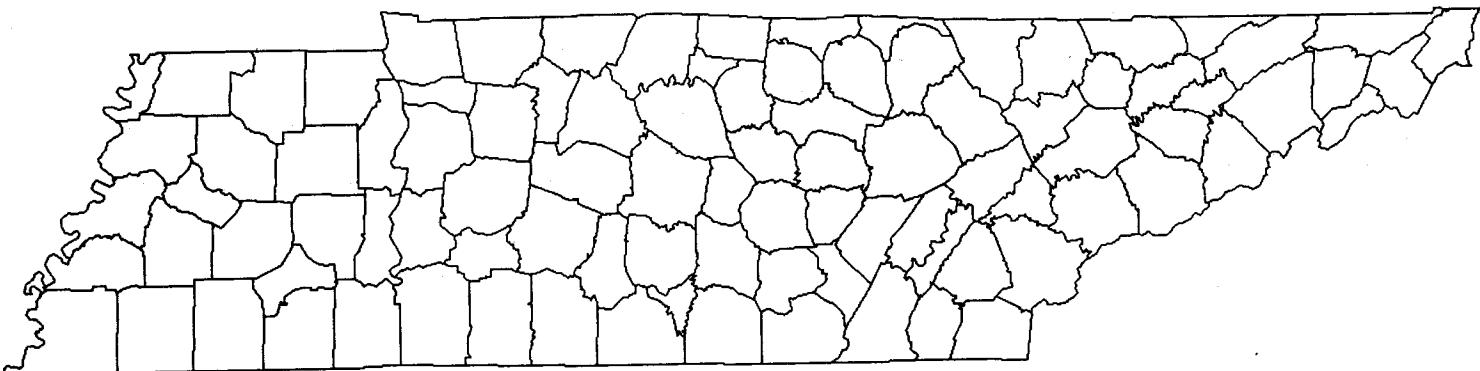
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Forest Statistics for Tennessee Counties – 1989

John S. Vissage and K. L. Duncan



FOREWORD

The Southern Forest Survey, an activity of the Southern Forest Experiment Station Forest Inventory and Analysis work unit, covers the States of Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas, and the island of Puerto Rico.

This survey is part of the nationwide Forest Survey originally authorized by the McSweeney-McNary Act of 1928. More recent legislation pertinent to the survey mission includes the Forest and Rangeland Renewable Resources Planning Act of 1974 and the Forest and Rangeland Renewable Resources Research Act of 1978. The survey mission is to develop, analyze, and maintain renewable forest resource information. This information is essential for formulation of forest policies and programs.

ACKNOWLEDGMENTS

The Southern Station gratefully acknowledges the cooperation and assistance provided by the Tennessee Division of Forestry and forest industries in collecting field data. Appreciation is also expressed for the cooperation of other public agencies and private landowners in providing access to the sample locations.

CONTENTS

INTRODUCTION	1
DEFINITION OF TERMS.....	2
CORE TABLES 1-25*	5
Timberland Area, Tables 1-9.....	6
Number of Trees, Tables 10-11.....	19
Timber Volume, Tables 12-17.....	21
Growth, Removals, and Mortality, Tables 18-24.....	27
Timber Volume, Table 25.....	33
SUPPLEMENTAL TABLES 26-47.....	33
Timberland Area, Table 26.....	33
Timberland Volume, Tables 27-31	34
Number of Trees, Tables 32-33.....	44
Timber Volume, Tables 34-40.....	46
Timberland Area, Tables 41-43.....	53
Timberland Volume, Tables 44-47	56
FIGURES 1-33.....	64
Location of Plots, Figure 1.....	64
Timberland Area, Figures 2-17	64
Timberland Volume, Figures 18-25.....	68
Number of Trees, Mean DBH and Basal Area, Figures 26-31.....	70
Growth and Removals, Figures 32-33	71

*Core tables are presented in response to the Southern Industrial Forestry Research Council's recommendations. These tables are identical among Forest Inventory and Analysis units in the eastern United States.

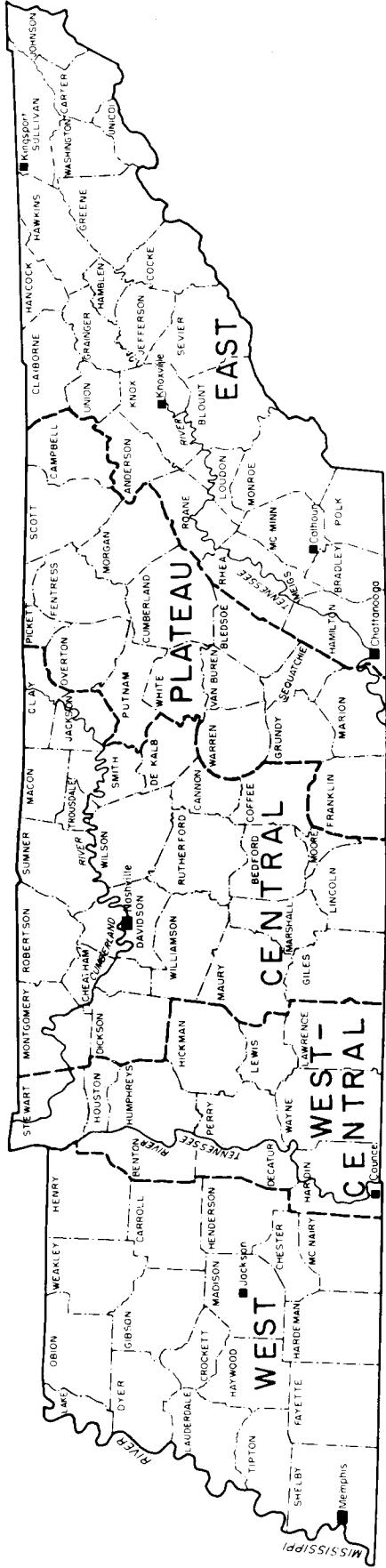


Figure I.—The forest survey regions of Tennessee.

Forest Statistics for Tennessee Counties – 1989

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INTRODUCTION

The tables and figures in this report were derived from data obtained during a recent inventory of the five survey regions and 95 counties in the State of Tennessee (fig. 1). Data on forest acreage and timber volume were secured by a three-step process. A forest-nonforest classification using aerial photographs was accomplished with each grid representing approximately 230 acres. These photo classifications were adjusted based on ground observations at sample locations each representing approximately 3,840 acres. Finally, field measurements were made at forest locations on the intersections of grid lines spaced 3 miles apart. At these forest locations, per-acre estimates were obtained from trees measured on ten 37.5 basal area factor prism points.

The sampling methods are designed to achieve suitable sampling errors for estimates of area and volume at the State level. Sampling error increases as the area or volume considered decreases. The sampling errors presented in table I, equal to one standard deviation for the sample data, may be used to construct confidence intervals for population estimates. For example, at the 95 percent confidence level, the confidence interval for growing-stock volume (in million cubic feet) in the State of Tennessee (with a sampling error of 2.3 percent) is

$$16,682.7 \pm 1.96 (0.023 \times 16,682.7) = 16,682.7 \pm 752.1$$

where 1.96 is the number of standard deviations. This confidence interval indicates that the actual growing-stock volume lies in the range 15,930.6 to 17,434.8 million cubic feet, unless a 1 in 20 chance has occurred.

Sampling errors for sub-groups of counties in the unit may be estimated by the following formula:

$$SE_g = \frac{SE_t \sqrt{X_t}}{\sqrt{X_g}}$$

where:

SE = standard error of estimate
(expressed as a percent)

X = variable of interest
(area or volume)

g = group of counties to be combined
t = total for the State.

For example, the sampling error estimate of growing-stock volume for McNairy, Hardin, Wayne, and Lawrence counties is 9.4 percent. Thus, the 95 percent confidence interval for growing-stock volume is 998 ± 184.0 million cubic feet.

Ownership information is obtained by the same systematic sample outlined above. County courthouse records are used to obtain ownership information for each forested plot. An expansion factor representing timberland area in that county is then applied to the ownership group the plot represents. Next, the ownership groups are totaled for each county. Thus, acreages reported at the county level are estimates and may not exactly match known totals for each ownership category within that county.

In order to achieve greater compatibility among Forest Inventory and Analysis (FIA) projects, a new tree grading classification has been in effect since the 1988 Arkansas survey. Tree grade 5 is used for trees currently or prospectively capable of producing at least one 12-foot log or two 8-foot logs in the saw-log portion but not able to produce a 12-foot log in the butt 16 feet. These trees, formerly classed as rough or rotten, are now included as growing stock. Table II shows the impact of this change on volume and growth at the State level.

Tables 1-25 are developed to provide compatibility among Forest Inventory and Analysis Projects. Tables 26-47 are supplementary tables and may change from unit to unit or State to State to address specific resource issues. Figures 4-11 illustrate forest-type groupings from Table 41.

DEFINITION OF TERMS

Average net annual growth. — Average net annual volume increase for the inter-survey period.

Average annual mortality. — Average annual sound-wood volume of growing-stock trees dying from natural causes.

Average annual removals. — Average net annual volume of growing-stock trees removed from the inventory by harvesting, cultural operations (such as timber-stand improvement), land clearing, or changes in land use.

Commercial species. — Tree species which normally develop into trees suitable for industrial wood products.

Forest land. — Land at least 16.7 percent stocked by forest trees of any size, or formerly having such tree cover, and not currently developed for nonforest use.

Forest type. — A classification of forest land based upon the species forming a plurality of live-tree stocking.

Growing-stock trees. — Live trees of commercial species. Rough and rotten trees are excluded.

Growing-stock volume. — The cubic-foot volume of sound wood in growing-stock trees at least 5.0 inches in diameter at breast height, from a 1-foot stump to a minimum 4.0-inch top diameter outside bark of the central stem, or to the point where the central stem breaks into limbs.

Live trees. — Commercial and noncommercial tree species of sapling size or larger.

Natural stands. — Stands with no evidence of artificial regeneration. This includes those established by seed tree regeneration methods.

Table I—*Sampling errors¹ for timberland, growing stock, and sawtimber, Tennessee Counties, 1989*

County	Timberland	Growing stock			Sawtimber volume
		Volume	Growth	Removals	
<i>Percent</i>					
Anderson	5.1	14.4	17.2	48.4	18.6
Bedford	2.9	32.8	17.8	39.5	38.6
Benton	2.9	13.5	19.5	37.0	18.3
Bledsoe	3.3	14.2	12.6	29.7	20.3
Blount	2.7	12.3	38.4	...	15.3
Bradley	5.1	31.6	16.0	36.8	39.4
Campbell	2.2	9.2	11.7	36.1	10.4
Cannon	4.8	20.4	25.4	36.1	27.8
Carroll	1.8	14.4	9.6	46.7	21.7
Carter	2.3	10.8	37.7	21.5	13.5
Cheatam	3.7	15.6	9.2	38.3	21.1
Chester	1.7	15.5	26.1	33.2	20.8
Claiborne	3.1	15.1	20.6	17.4	18.9
Clay	1.8	12.2	23.0	28.9	15.9
Cocke	2.8	12.2	24.2	36.1	15.1
Coffee	2.0	10.7	17.6	25.0	12.8
Crockett	2.7	41.5	...	...	44.2
Cumberland	1.3	9.6	9.5	20.4	12.3
Davidson	2.9	23.7	21.7	23.7	29.6
Decatur	3.4	10.9	12.5	28.4	14.2
De Kalb	3.1	20.2	11.9	(2)	24.7
Dickson	2.3	16.2	17.5	33.0	18.6
Dyer	1.8	35.2	(2)	...	32.9
Fayette	1.8	21.1	18.1	32.0	27.5
Fentress	2.4	11.3	13.1	25.4	14.5
Franklin	1.8	12.2	20.7	25.0	17.3
Gibson	2.0	22.3	(2)	(2)	16.2
Giles	2.6	15.1	15.2	19.8	21.5
Grainger	2.5	22.3	16.7	42.3	29.2
Greene	1.9	14.7	16.1	39.2	17.8
Grundy	2.7	17.9	12.5	22.6	21.9
Hamblen	3.3	32.5	(2)	...	36.7
Hamilton	3.0	12.2	15.1	(2)	14.5
Hancock	4.0	36.0	41.1	(2)	40.4
Hardeman	1.7	14.1	15.1	34.7	18.3
Hardin	2.5	14.5	11.2	29.0	21.0
Hawkins	2.1	16.0	25.4	...	19.2
Haywood	1.8	16.3	(2)	16.8	19.9
Henderson	2.7	14.8	19.9	35.3	17.8
Henry	2.1	16.0	24.3	33.8	18.6
Hickman	1.7	8.3	13.6	17.6	11.4
Houston	1.9	16.4	13.9	...	21.5
Humphreys	2.7	10.2	16.3	33.7	13.4
Jackson	3.6	22.4	15.3	35.0	27.6
Jefferson	1.7	26.9	29.9	...	28.6
Johnson	1.5	18.3	23.0	32.5	21.9
Knox	2.8	23.2	28.5	3.7	26.8
Lake	1.6	...	...	(2)	...
Lauderdale	1.2	33.6	47.2	31.2	22.4
Lawrence	1.6	15.0	13.3	21.6	19.4
Lewis	2.8	12.9	13.2	30.8	19.2
Lincoln	2.5	18.1	14.7	26.4	23.7
Loudon	4.5	27.1	21.6	32.2	31.7
McMinn	3.1	16.6	21.4	3.3	21.6
McNairy	2.5	15.1	10.7	27.4	18.3
Macon	3.1	16.6	18.8	49.1	18.4
Madison	2.3	12.9	14.1	(2)	15.4
Marion	2.0	11.0	13.5	21.2	13.7
Marshall	2.4	28.0	25.7	35.6	38.5
Maury	2.4	17.8	20.0	47.3	28.3
Meigs	2.0	16.2	19.5	...	20.1
Monroe	1.8	11.8	13.2	26.6	13.9
Montgomery	2.2	12.1	15.7	(2)	14.4
Moore	2.7	32.9	23.7	...	44.7
Morgan	1.8	13.3	8.5	23.3	15.4
Obion	2.0	17.8	20.6	27.7	19.5
Overton	2.6	9.0	12.0	47.2	10.7
Perry	1.1	9.4	12.9	18.2	10.1
Pickett	4.5	28.8	31.2	...	38.2
Polk	2.4	13.3	27.1	23.2	16.6

Table I—Sampling errors¹ for timberland, growing stock, and sawtimber, Tennessee Counties, 1989 - Continued

County	Timberland	Growing stock			Sawtimber volume
		Volume	Growth	Removals	
<i>Percent</i>					
Putnam	3.0	19.9	12.6	27.6	25.8
Rhea	2.3	14.2	17.9	44.0	18.1
Roane	1.9	9.8	18.0	24.0	13.5
Robertson	2.6	16.1	11.8	41.2	16.6
Rutherford	3.2	20.1	20.6	...	25.7
Scott	2.3	7.0	12.6	21.2	9.1
Sequatchie	2.6	21.2	19.9	37.4	31.5
Sevier	1.8	15.3	18.3	7.0	19.4
Shelby	1.3	15.8	17.0	...	20.5
Smith	4.0	45.6	35.0	15.3	(2)
Stewart	2.9	11.2	15.2	18.8	13.6
Sullivan	2.4	13.9	39.8	...	17.9
Sumner	2.0	20.5	19.9	16.9	25.2
Tipton	2.7	23.6	34.6	...	27.5
Trousdale	4.9	26.8	47.6	...	31.3
Unicoi	1.6	17.9	20.7	30.4	21.7
Union	3.0	19.3	31.4	...	23.2
Van Buren	3.8	18.7	13.1	31.4	23.8
Warren	2.7	16.6	14.5	24.5	18.9
Washington	1.4	20.0	22.5	...	24.5
Wayne	1.9	7.7	9.7	17.7	10.7
Weakley	2.2	18.0	43.1	44.9	22.2
White	2.6	17.4	10.6	25.9	22.3
Williamson	2.4	16.4	15.0	38.1	18.9
Wilson	2.0	24.1	34.9	36.7	30.6
All counties	0.3	2.3	2.5	5.6	2.8

¹By random-sampling formula.

²Sampling error greater than 50.

Table II—Changes in volume and growth estimates due to inclusion of tree grade 5 in growing-stock inventory, Tennessee, 1989

	Excluded from growing stock	Included as growing stock	Percent change
<i>Tree grade 5</i>			
<i>Million cubic feet</i>			
Softwood:			
Growing-stock volume	2827.8	2895.3	2.3
Rough and rotten volume	154.2	86.8	-43.7
Growing-stock growth	92.1	99.8	8.4
Hardwood:			
Growing-stock volume	12903.3	13787.4	6.9
Rough and rotten volume	2127.8	1243.7	-41.5
Growing-stock growth	437.3	537.6	22.9
<i>Million board feet</i>			
Softwood:			
Sawtimber volume	9408.0	9615.4	2.2
Sawtimber growth	357.2	380.4	6.5
Hardwood:			
Sawtimber volume	40950.5	43998.2	7.4
Sawtimber growth	1819.4	2164.5	18.9

Noncommercial species. — Tree species of typically small size, poor form, or inferior quality which normally do not develop into trees suitable for industrial wood products.

Planted stands. — Stands with some evidence of planting or direct seeding.

Poletimber trees. — Growing-stock trees at least 5.0 inches in diameter at breast height, but smaller than sawtimber size.

Reserved timberland. — Productive public forest land withdrawn from timber utilization through statute or administrative regulations.

Rotten trees. — Live trees of commercial species that do not contain at least one 12-foot log or two 8-foot logs in the saw-log portion, now or prospectively, primarily because of rot.

Rough trees. — Live trees of commercial species that do not contain at least one 12-foot log or two 8-foot logs in the saw-log portion, now or prospectively, primarily because of roughness or poor form. Also included are all live trees of noncommercial species.

Saplings. — Growing-stock trees at least 1.0 inch but less than 5.0 inches in diameter at breast height.

Sawtimber trees. — Live trees that contain at least one 12-foot log or two 8-foot logs in the saw-log portion, and meet regional specifications for freedom from defect. Softwoods must be at least 9.0 inches in diameter at breast height and hardwoods at least 11.0 inches in diameter at breast height.

Sawtimber volume. — Sound-wood volume of the saw-log portion of growing-stock sawtimber trees in board feet, International 1/4-inch rule and in cubic feet.

Seedlings. — Growing-stock trees less than 1.0 inch in diameter at breast height and greater than one foot tall for hardwoods, greater than six inches tall for softwoods, and greater than one-half inch in diameter at ground level for longleaf pine.

Select red oaks. — A classification of several red oak species composed of: cherrybark, Shumard, and northern red oaks.

Select white oaks. — A classification of several white oak species composed of: white, swamp chestnut, swamp white, chinkapin, Durand, and bur oaks.

Site class. — A classification of forest land in terms of inherent capacity to grow crops of industrial wood.

Stand-size class. — A classification of forest land based on the diameter class of live trees on the sampled area; that is, sawtimber, poletimber, or sapling and seedling.

Timberland. — Forest land that is producing, or is capable of producing, crops of industrial wood and not withdrawn from timber utilization. Timberland is synonymous with "commercial forest land" in prior reports.

Tree grade. — A classification of the volume of the saw-log portion of sawtimber trees, based on: 1) the log grade of the butt log, or 2) ability to produce at least one 12-foot or two 8-foot logs in the upper-section of the saw-log portion.

Woodland. — Forest land incapable of yielding crops of industrial wood because of adverse site conditions.

CORE TABLES 1-25

Table 1—Area by county and land class, Tennessee Counties, 1989

County	All land ¹	Forest land				Nonforest land
		Total	Timberland ²	Woodland ³	Reserved timberland	
----- Thousand acres -----						
Anderson	216.8	124.0	124.0	...	...	92.8
Bedford	304.1	74.6	74.6	...	...	229.5
Benton	279.1	172.7	172.7	...	...	106.4
Bledsoe	260.7	186.3	186.3	...	...	74.4
Blount	357.2	165.5	69.9	...	95.6	191.7
Bradley	209.5	92.5	92.5	...	...	117.0
Campbell	306.6	250.3	250.2	...	0.1	56.2
Cannon	170.0	88.5	88.5	...	...	81.5
Carroll	383.7	169.1	169.1	...	...	214.7
Carter	218.0	161.3	155.5	...	5.8	56.6
Cheatam	194.3	118.2	118.2	...	...	76.1
Chester	184.7	99.4	99.4	...	...	85.3
Claiborne	276.8	167.5	167.5	...	...	109.2
Clay	145.3	105.1	105.1	...	...	40.2
Cocke	276.5	182.0	163.4	...	18.6	94.5
Coffee	274.2	114.4	114.2	...	0.2	159.8
Crockett	170.2	15.1	15.1	...	...	155.1
Cumberland	436.7	320.3	320.3	...	...	116.3
Davidson	320.5	108.7	108.1	...	0.6	211.8
Decatur	220.8	134.8	134.8	...	...	86.0
De Kalb	186.0	114.2	114.2	...	...	71.8
Dickson	314.0	174.3	174.3	...	...	139.7
Dyer	332.6	40.4	40.4	...	...	292.2
Fayette	451.5	152.0	152.0	...	...	299.5
Fentress	318.7	244.1	244.1	...	0.1	74.6
Franklin	347.5	183.4	183.0	...	0.4	164.1
Gibson	385.6	36.4	36.4	...	...	349.2
Giles	390.7	171.8	171.8	...	...	218.9
Grainger	174.7	102.6	102.6	...	...	72.1
Greene	395.8	179.9	171.8	...	8.1	215.9
Grundy	231.2	174.5	165.9	...	8.6	56.7
Hamblen	100.1	32.8	32.8	...	...	67.3
Hamilton	345.0	210.7	210.7	...	...	134.3
Hancock	143.0	92.9	92.9	...	...	50.1
Hardeman	429.0	247.1	247.1	...	...	181.9
Hardin	380.9	219.9	219.9	...	...	161.0
Hawkins	310.7	177.3	177.3	...	...	133.4
Haywood	341.6	71.2	71.2	...	...	270.4
Henderson	332.8	158.4	158.4	...	...	174.4
Henry	358.3	176.1	176.1	...	...	182.2
Hickman	391.8	297.2	297.2	...	...	94.6
Houston	132.4	94.2	94.2	...	...	38.3
Humphreys	356.2	241.2	241.2	...	...	115.0
Jackson	197.0	135.9	135.9	...	...	61.1
Jefferson	169.9	62.2	62.2	...	...	107.7
Johnson	190.2	144.4	144.4	...	...	45.8
Knox	323.8	127.5	127.0	...	0.5	196.2
Lake	107.8	18.0	18.0	...	...	89.8

Table 1—Area by county and land class, Tennessee Counties, 1989 - Continued

County	All land ¹	Forest land				Nonforest land
		Total	Timberland ²	Woodland ³	Reserved timberland	
<i>- Thousand acres -</i>						
Lauderdale	303.7	90.0	88.8	...	1.2	213.6
Lawrence	395.4	199.8	199.8	...	...	195.5
Lewis	180.8	158.0	158.0	...	...	22.9
Lincoln	365.3	136.7	136.7	...	...	228.6
Loudon	150.5	62.3	62.3	...	...	88.1
McMinn	274.5	136.5	136.5	...	...	138.0
McNairy	359.4	224.4	224.4	...	...	135.0
Macon	196.6	77.0	77.0	...	...	119.6
Madison	357.2	140.7	140.7	...	...	216.6
Marion	328.0	251.7	251.7	...	...	76.2
Marshall	241.0	89.6	89.6	...	...	151.3
Maury	394.4	133.0	133.0	...	...	261.4
Meigs	121.1	82.9	82.9	...	...	38.2
Monroe	414.9	301.5	279.0	...	22.5	113.3
Montgomery	344.7	136.9	136.9	...	0.1	207.8
Moore	82.4	36.6	36.6	...	...	45.8
Morgan	334.5	287.8	276.2	...	11.6	46.7
Obion	352.2	67.6	67.6	...	...	284.6
Overton	277.2	170.4	170.4	...	...	106.8
Perry	271.1	223.6	223.6	...	...	47.5
Pickett	102.0	68.4	68.4	...	...	33.6
Polk	280.0	224.7	214.1	...	10.5	55.3
Putnam	255.5	152.5	152.3	...	0.1	103.0
Rhea	197.7	126.5	126.4	...	0.2	71.2
-Roane	228.3	153.1	153.1	...	...	75.2
Robertson	304.6	53.0	53.0	...	...	251.5
Rutherford	387.5	155.7	155.7	...	...	231.8
Scott	338.0	300.3	300.3	...	...	37.7
Sequatchie	169.9	137.3	137.3	...	...	32.6
Sevier	377.8	254.5	127.5	...	127.1	123.3
Shelby	493.8	111.6	111.6	...	...	382.2
Smith	200.2	81.0	81.0	...	...	119.1
Stewart	316.1	219.7	219.7	...	...	96.5
Sullivan	265.8	123.6	123.6	...	...	142.1
Sumner	338.6	88.2	88.2	...	...	250.4
Tipton	290.7	50.9	50.9	...	...	239.8
Trousdale	73.1	30.0	30.0	...	...	43.2
Unicoi	119.3	99.3	89.4	...	9.9	20.0
Union	139.7	102.5	102.5	...	...	37.2
Van Buren	174.4	145.0	135.4	...	9.6	29.4
Warren	275.6	93.6	93.6	...	...	182.0
Washington	208.8	54.8	50.3	...	4.5	154.0
Wayne	470.7	372.6	372.6	...	...	98.1
Weakley	372.1	96.1	95.9	...	0.2	276.0
White	238.7	129.4	129.4	...	...	109.3
Williamson	373.6	142.0	142.0	...	...	231.6
Wilson	365.1	98.1	97.0	...	1.1	267.0
All counties	26447.0	13602.5	13265.2	...	337.3	12844.5

¹From U.S. Bureau of the Census.

²Forest land (formerly termed commercial forest land) that is producing or capable of producing at least 20 cubic feet of industrial wood per acre per year. Includes areas which may be inaccessible or inoperable by current standards. Excludes reserved timberlands.

³Forest land incapable of producing 20 cubic feet of industrial wood per acre per year under natural conditions because of adverse site conditions.

Table 2—Area of timberland by county and ownership class, Tennessee Counties, 1989

County	All ownerships	National forest	Misc. federal	State	County and municipal	Forest industry ¹	Farmer	Corporate ²	Individual ²
<i>Thousand acres</i>									
Anderson	124.0	...	6.5	...	...	...	26.1	71.8	19.6
Bedford	74.6	...	...	...	...	5.3	32.0	...	37.3
Benton	172.7	...	19.2	...	...	12.8	38.4	6.4	95.9
Bledsoe	186.3	...	...	17.5	...	34.9	34.9	34.9	64.0
Blount	69.9	...	...	...	...	9.1	27.4	3.0	30.4
Bradley	92.5	...	...	...	...	15.4	15.4	...	61.7
Campbell	250.2	...	11.6	29.1	5.8	5.8	40.7	110.6	46.6
Cannon	88.5	...	...	...	...	...	41.6	...	46.8
Carroll	169.1	...	5.8	11.7	...	11.7	23.3	...	116.6
Carter	155.5	78.1	...	...	...	...	17.2	...	60.2
Cheatam	118.2	...	...	23.6	...	...	17.7	11.8	65.0
Chester	99.4	...	...	9.9	...	19.9	29.8	5.0	34.8
Claiborne	167.5	...	...	...	...	...	87.4	51.0	29.1
Clay	105.1	...	...	...	...	...	72.8	...	32.3
Cocke	163.4	44.3	...	...	...	5.7	56.7	...	56.7
Coffee	114.2	...	10.4	...	...	...	51.9	15.6	36.3
Crockett	15.1	...	...	...	...	...	7.6	...	7.6
Cumberland	320.3	...	...	52.4	5.8	46.6	29.1	46.6	139.8
Davidson	108.1	...	6.4	...	6.4	...	12.7	6.4	76.3
Decatur	134.8	...	5.4	5.4	...	...	43.1	16.2	64.7
De Kalb	114.2	...	11.4	...	...	...	28.5	...	74.2
Dickson	174.3	...	...	...	...	...	114.2	12.0	48.1
Dyer	40.4	...	...	10.1	...	10.1	10.1	10.1	...
Fayette	152.0	...	...	...	...	...	86.9	32.6	32.6
Fentress	244.1	...	5.8	11.6	...	87.2	23.2	40.7	75.5
Franklin	183.0	...	17.2	5.7	...	...	11.4	28.6	120.1
Gibson	36.4	...	...	...	...	...	36.4	...	...
Giles	171.8	...	...	...	...	9.8	103.1	...	58.9
Grainger	102.6	...	...	...	...	...	59.4	5.4	37.8
Greene	171.8	29.6	...	...	...	...	74.0	5.7	62.6
Grundy	165.9	...	5.7	...	...	34.3	11.4	28.6	85.8
Hamblen	32.8	...	...	...	...	...	24.6	...	8.2
Hamilton	210.7	...	19.7	6.6	...	13.2	32.9	19.7	118.5
Hancock	92.9	...	...	...	...	...	81.3	...	11.6
Hardeman	247.1	...	...	6.2	...	18.5	98.8	6.2	117.4
Hardin	219.9	...	9.6	...	...	38.2	76.5	14.3	81.3
Hawkins	177.3	...	5.7	...	5.7	5.7	85.8	5.7	68.6
Haywood	71.2	...	...	...	...	17.8	41.5	...	11.9
Henderson	158.4	...	22.6	5.7	...	...	73.6	...	56.6
Henry	176.1	...	13.0	...	...	6.5	45.6	6.5	104.3
Hickman	297.2	...	...	...	...	72.9	89.7	28.0	106.5
Houston	94.2	...	...	...	...	...	21.7	7.2	65.2
Humphreys	241.2	...	...	...	...	6.0	54.3	18.1	162.8
Jackson	135.9	...	...	...	...	...	31.4	...	104.5
Jefferson	62.2	...	...	...	...	...	33.9	11.3	17.0
Johnson	144.4	50.5	...	...	...	...	20.1	...	73.7
Knox	127.0	...	...	...	...	...	31.7	15.9	79.4
Lake	18.0	...	...	18.0	...	...	...	...	...

Table 2—Area of timberland by county and ownership class, Tennessee Counties, 1989 - Continued

County	All ownerships	National forest	Misc. federal	State	County and municipal	Forest industry ¹	Farmer	Corporate ²	Individual ²
<i>- Thousand acres -</i>									
Lauderdale	88.8	...	16.2	...	...	24.2	32.3	...	16.2
Lawrence	199.8	...	...	20.7	...	27.6	103.4	6.9	41.3
Lewis	158.0	...	5.9	5.9	...	46.8	23.4	5.9	70.2
Lincoln	136.7	...	...	...	...	...	83.2	...	53.5
Loudon	62.3	...	11.3	...	...	5.7	34.0	...	11.3
McMinn	136.5	2.2	...	...	...	28.0	22.4	...	84.0
McNairy	224.4	...	...	5.8	...	40.3	40.3	...	138.1
Macon	77.0	...	...	...	...	...	56.0	...	21.0
Madison	140.7	...	...	6.1	...	...	36.7	6.1	91.7
Marion	251.7	...	...	18.0	...	30.0	12.0	36.0	155.8
Marshall	89.6	...	...	...	...	...	69.7	5.0	14.9
Maury	133.0	...	...	...	6.7	...	53.2	13.3	59.9
Meigs	82.9	...	...	5.9	...	11.8	23.7	...	41.5
Monroe	279.0	121.3	15.0	...	...	7.5	45.1	15.0	75.1
Montgomery	136.9	...	31.1	...	...	6.2	24.9	...	74.7
Moore	36.6	...	...	...	...	...	20.9	5.2	10.5
Morgan	276.2	...	5.6	28.2	...	5.6	16.9	50.7	169.1
Obion	67.6	...	6.1	6.1	...	12.3	24.6	...	18.4
Overton	170.4	...	6.8	13.6	...	...	61.3	13.6	75.0
Perry	223.6	...	5.7	...	...	63.1	68.8	22.9	63.1
Pickett	68.4	...	13.7	6.8	...	...	13.7	6.8	27.4
Polk	214.1	136.6	...	...	...	...	29.8	17.9	29.8
Putnam	152.3	...	5.4	...	...	...	27.2	38.1	81.6
Rhea	126.4	...	5.5	...	5.5	44.0	27.5	...	44.0
Roane	153.1	...	26.4	5.3	...	...	21.1	10.6	89.7
Robertson	53.0	...	...	...	...	...	37.9	7.6	7.6
Rutherford	155.7	...	5.6	5.6	5.6	...	44.5	5.6	88.9
Scott	300.3	...	49.1	5.5	...	10.9	60.1	92.8	81.9
Sequatchie	137.3	...	...	...	...	22.9	...	5.7	108.7
Sevier	127.5	...	...	...	...	...	33.0	4.7	89.7
Shelby	111.6	...	...	19.7	13.1	...	26.3	...	52.5
Smith	81.0	...	...	...	...	...	67.5	...	13.5
Stewart	219.7	...	62.8	6.3	...	69.0	25.1	...	56.5
Sullivan	123.6	37.1	4.8	...	4.8	...	28.8	4.8	43.3
Sumner	88.2	...	...	...	...	...	56.7	...	31.5
Tipton	50.9	...	...	...	...	...	43.6	...	7.3
Trousdale	30.0	...	...	...	...	...	...	...	30.0
Unicoi	89.4	43.8	...	12.4	...	...	...	...	33.2
Union	102.5	...	10.8	16.2	...	...	27.0	...	48.6
Van Buren	135.4	...	...	5.4	...	27.1	10.8	65.0	27.1
Warren	93.6	...	...	...	...	...	46.8	15.6	31.2
Washington	50.3	12.4	...	...	...	...	14.2	...	23.7
Wayne	372.6	...	...	...	...	145.3	56.8	31.6	139.0
Weakley	95.9	...	7.4	...	...	...	14.8	7.4	66.4
White	129.4	...	...	...	...	28.1	45.0	5.6	50.6
Williamson	142.0	...	...	...	...	...	78.9	...	63.1
Wilson	97.0	...	...	15.3	...	...	51.0	5.1	25.5
All counties	13265.2	556.0	471.4	422.2	59.4	1143.9	3848.9	1181.4	5582.2

¹Includes land leased to forest industry.

²Indian land will be classed as corporate or individual as defined by the Bureau of Indian Affairs.

Table 3—Area of timberland by county and forest type group, Tennessee Counties, 1989

County		Total	Forest type group					
			Loblolly-shortleaf pine		Oak ² , pine		Oak-gum-cypress	
			White-red jack pine	Planted	Natural	Oak-hickory	Elm-ash-cottonwood	Maple-beech birch
Anderson		124.0	...	...	13.1	6.5	97.9	6.5
Bedford		74.6	...	...	16.0	10.7	42.6	...
Benton		172.7	...	12.8	...	12.8	140.7	5.3
Bledsoe		186.3	...	23.3	17.5	29.1	116.4	6.4
Blount		69.9	3.0	3.0	6.1	24.3	33.4	...
Bradley		92.5	...	...	30.8	15.4	46.3	...
Campbell		250.2	...	5.8	17.5	29.1	197.9	...
Cannon		88.5	...	...	5.2	10.4	72.9	...
Carroll		169.1	...	5.8	...	5.8	122.4	...
Carter		155.5	...	...	8.6	17.2	120.5	9.2
Cheatham		118.2	...	...	...	...	118.2	...
Chester		99.4	...	5.0	5.0	29.8	49.7	5.0
Claiborne		167.5	...	...	7.3	21.9	116.6	21.9
Clay		105.1	...	...	...	8.1	97.0	...
Cocke		163.4	...	...	17.0	25.9	114.8	5.7
Coffee		114.2	...	...	...	...	109.0	5.2
Crockett		15.1	...	...	...	...	15.1	...
Cumberland		320.3	5.8	23.3	...	58.2	209.7	...
Davidson		108.1	...	...	...	12.7	95.4	...
Decatur		134.8	...	5.4	...	5.4	118.6	5.4
De Kalb		114.2	...	...	11.4	22.8	74.2	5.7
Dickson		174.3	...	...	...	6.0	168.3	...
Dyer		40.4	...	...	...	...	10.1	30.3
Fayette		152.0	...	...	21.7	10.9	108.6	10.9
Fentress		244.1	...	11.6	40.7	40.7	151.1	...
Franklin		183.0	...	...	...	11.4	171.6	...
Gibson		36.4	...	...	...	...	36.4	...
Giles		171.8	4.9	...	4.9	4.9	152.2	4.9
Grainger		102.6	...	...	...	16.2	86.4	...
Greene		171.8	...	...	28.4	21.3	116.4	...
Grundy		163.9	...	...	11.4	5.7	143.0	...
Hamblen		32.8	...	...	8.2	8.2	16.4	...
Hamilton		210.7	...	6.6	32.9	39.5	125.1	6.6
Hancock		92.9	...	...	...	5.8	75.5	...
Hardeman		247.1	...	18.5	12.4	30.9	154.4	30.9
Hardin		219.9	...	33.5	14.3	38.2	100.4	33.5
Hawkins		177.3	...	...	11.4	34.3	125.9	...
Haywood		71.2	...	...	...	...	11.9	59.3
Henderson		158.4	...	17.0	...	5.7	84.9	22.6
Henry		176.1	...	6.5	...	...	123.9	45.6
Hickman		297.2	...	5.6	...	...	291.6	...
Houston		94.2	...	...	...	...	94.2	...
Humphreys		241.2	...	...	...	...	241.2	...
Jackson		135.9	...	...	...	31.4	104.5	...
Jefferson		62.2	...	11.3	...	5.7	45.2	...
Johnson		144.4	...	...	...	26.8	104.1	...
Knox		127.0	...	...	15.9	31.7	79.4	...
Lake		18.0	...	...	...	...	18.0	...

Table 3—Area of timberland by county and forest type group, Tennessee Counties, 1989 - Continued

County	Total	Forest type group					
		White-red jack pine		Loblolly-shortleaf ¹ pine		Oak- ² hickory	
		Planted	Natural	Oak- ² pine	Oak-gum- cypress	Elm-ash- cottonwood	Maple- beech birch
- Thousand acres -							
Lauderdale	88.8	..	..	..	32.3	24.2	..
Lawrence	199.8	..	..	6.9	186.1	6.9	..
Lewis	158.0	..	5.9	5.9	134.6	11.7	..
Lincoln	136.7	..	..	17.8	89.1	11.9	..
Loudon	62.3	..	5.7	17.0	11.3	22.7	..
McMinn	136.5	..	22.4	44.8	16.8	46.9	5.6
McNairy	224.4	..	5.8	40.3	40.3	120.8	17.3
Macon	77.0	..	..	..	77.0	..	..
Madison	140.7	..	6.1	24.5	61.2	48.9	..
Marion	251.7	..	6.0	36.0	203.8	6.0	..
Marshall	89.6	..	..	5.0	24.9	59.7	..
Maury	133.0	..	..	6.7	6.7	119.7	..
Meigs	82.9	..	17.8	..	23.7	41.5	..
Monroe	279.0	7.1	..	77.9	76.8	106.5	10.7
Montgomery	136.9	..	..	..	12.4	124.4	..
Moore	36.6	..	..	..	..	..	..
Morgan	276.2	..	5.6	..	84.5	186.0	..
Obion	67.6	..	..	..	..	30.7	..
Overton	170.4	..	..	6.8	13.6	149.9	..
Perry	223.6	..	..	11.5	5.7	200.7	5.7
Pickett	68.4	..	..	..	6.8	61.6	..
Polk	214.1	12.8	..	82.7	47.8	60.6	10.2
Putnam	152.3	..	..	10.9	16.3	125.1	..
Rhea	126.4	..	5.5	5.5	27.5	87.9	..
Roane	153.1	..	5.3	5.3	26.4	116.1	..
Robertson	53.0	..	..	..	..	53.0	..
Rutherford	155.7	..	..	..	..	..	..
Scott	300.3	5.5	..	50.0	38.9	66.7	..
Seqatchie	137.3	5.7	11.4	40.0	38.2	240.2	..
Sevier	127.5	..	..	14.2	51.9	80.1	..
Shelby	111.6	..	..	..	..	..	..
Smith	81.0	..	..	13.5	6.8	59.1	6.6
Stewart	219.7	..	..	16.4	..	..	..
Sullivan	123.6	7.4	..	..	6.3	213.4	..
Sumner	88.2	..	..	4.8	20.8	90.7	..
Tipton	50.9	..	..	12.6	..	..	..
Trousdale	30.0	..	..	..	..	36.3	7.3
Unicoi	89.4	6.3	..	..	12.0	18.0	..
Union	102.5	..	..	..	20.8	62.4	..
Van Buren	135.4	5.4	10.8	..	10.8	59.3	..
Warren	93.6	..	..	..	..	86.7	..
Washington	50.3	..	..	..	5.2	83.2	5.2
Wayne	372.6	..	25.3	12.6	8.9	41.4	..
Weakley	95.9	..	..	..	20.8	..	..
White	129.4	..	7.4	..	..	..	..
Williamson	142.0	..	16.9	..	..	..	..
Wilson	97.0	..	..	15.3	61.2	20.4	..
All counties	13265.2	64.0	346.7	987.1	1591.5	9476.5	639.3
						43.0	111.4
							5.7

¹Includes redcedar forest type.

²Includes redcedar-hardwood forest type.

³Timberland with no current stocking.

Table 4—Area of timberland by county and stand-size class, Tennessee Counties, 1989

County	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling- seedling	
<i>----- Thousand acres -----</i>					
Anderson	124.0	91.4	26.1	6.5	...
Bedford	74.6	26.6	32.0	16.0	...
Benton	172.7	51.2	76.8	44.8	...
Bledsoe	186.3	46.6	93.1	46.6	...
Blount	69.9	45.6	15.2	9.1	...
Bradley	92.5	61.7	...	30.8	...
Campbell	250.2	157.1	64.0	29.1	...
Cannon	88.5	31.2	41.6	15.6	...
Carroll	169.1	93.3	70.0	5.8	...
Carter	155.5	111.3	44.2	...	...
Cheatham	118.2	59.1	41.4	17.7	...
Chester	99.4	29.8	39.8	29.8	...
Claiborne	167.5	94.7	51.0	21.9	...
Clay	105.1	16.2	48.5	40.4	...
Cocke	163.4	84.5	61.8	17.0	...
Coffee	114.2	72.7	31.1	10.4	...
Crockett	15.1	15.1	...	...	...
Cumberland	320.3	157.3	110.7	52.4	...
Davidson	108.1	44.5	50.9	12.7	...
Decatur	134.8	75.5	48.5	10.8	...
De Kalb	114.2	57.1	40.0	17.1	...
Dickson	174.3	102.2	48.1	24.0	...
Dyer	40.4	40.4	...	...	...
Fayette	152.0	108.6	32.6	10.9	...
Fentress	244.1	104.6	116.2	23.2	...
Franklin	183.0	85.8	57.2	40.0	...
Gibson	36.4	24.2	...	12.1	...
Giles	171.8	34.4	83.4	54.0	...
Grainger	102.6	70.2	27.0	5.4	...
Greene	171.8	100.8	44.1	27.0	...
Grundy	165.9	57.2	57.2	45.8	5.7
Hamblen	32.8	24.6	8.2	...	...
Hamilton	210.7	125.1	52.7	32.9	...
Hancock	92.9	34.8	17.4	40.7	...
Hardeman	247.1	117.4	80.3	49.4	...
Hardin	219.9	76.5	109.9	33.5	...
Hawkins	177.3	91.5	51.5	34.3	...
Haywood	71.2	53.4	5.9	11.9	...
Henderson	158.4	90.5	45.3	22.6	...
Henry	176.1	97.8	32.6	45.6	...
Hickman	297.2	106.5	173.8	16.8	...
Houston	94.2	36.2	29.0	29.0	...
Humphreys	241.2	108.6	90.5	42.2	...
Jackson	135.9	52.3	47.0	36.6	...
Jefferson	62.2	39.6	5.7	17.0	...
Johnson	144.4	67.2	57.1	20.1	...
Knox	127.0	63.5	31.7	31.7	...
Lake	18.0	18.0	...	...	...

**Table 4—Area of timberland by county and stand-size class, Tennessee Counties, 1989
Continued**

County	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling- seedling	
<i>----- Thousand acres -----</i>					
Lauderdale	88.8	72.7	...	16.2	...
Lawrence	199.8	62.0	82.7	55.1	...
Lewis	158.0	58.5	64.4	35.1	...
Lincoln	136.7	29.7	65.4	41.6	...
Loudon	62.3	45.3	...	17.0	...
McMinn	136.5	61.6	56.0	18.9	...
McNairy	224.4	69.0	103.6	51.8	...
Macon	77.0	49.0	14.0	14.0	...
Madison	140.7	97.9	30.6	12.2	...
Marion	251.7	161.8	47.9	42.0	...
Marshall	89.6	34.8	19.9	34.8	...
Maury	133.0	39.9	53.2	39.9	...
Meigs	82.9	41.5	35.5	5.9	...
Monroe	279.0	154.0	73.2	51.8	...
Montgomery	136.9	56.0	49.8	31.1	...
Moore	36.6	26.1	10.5	...	...
Morgan	276.2	146.6	73.3	56.4	...
Obion	67.6	55.3	12.3	...	...
Overton	170.4	122.7	34.1	13.6	...
Perry	223.6	68.8	114.7	40.1	...
Pickett	68.4	41.1	20.5	6.8	...
Polk	214.1	113.5	35.0	65.7	...
Putnam	152.3	76.2	43.5	32.6	...
Rhea	126.4	54.9	44.0	27.5	...
Roane	153.1	79.2	58.1	15.8	...
Robertson	53.0	37.9	7.6	7.6	...
Rutherford	155.7	33.4	50.0	72.3	...
Scott	300.3	196.6	76.4	27.3	...
Sequatchie	137.3	57.2	51.5	28.6	...
Sevier	127.5	70.8	42.5	14.2	...
Shelby	111.6	72.2	32.8	6.6	...
Smith	81.0	13.5	47.3	20.3	...
Stewart	219.7	125.5	50.2	43.9	...
Sullivan	123.6	62.9	47.4	13.3	...
Sumner	88.2	63.0	12.6	12.6	...
Tipton	50.9	36.3	7.3	7.3	...
Trousdale	30.0	6.0	24.0	...	...
Unicoi	89.4	60.3	25.0	4.1	...
Union	102.5	70.1	21.6	10.8	...
Van Buren	135.4	43.3	43.3	48.8	...
Warren	93.6	46.8	36.4	10.4	...
Washington	50.3	32.6	13.0	4.7	...
Wayne	372.6	101.1	195.8	75.8	...
Weakley	95.9	73.8	14.8	7.4	...
White	129.4	67.5	50.6	11.3	...
Williamson	142.0	52.6	78.9	10.5	...
Wilson	97.0	25.5	35.7	35.7	...
All counties	13265.2	6521.2	4397.5	2340.8	5.7

Table 5—Area of timberland by county and site class, Tennessee Counties, 1989

County	All classes	Site class (cubic feet/acre/year)				
		> 165	120-165	85-120	50-85	< 50
<i>Thousand acres</i>						
Anderson	124.0	13.1	19.6	19.6	65.3	6.5
Bedford	74.6	...	10.7	16.0	16.0	32.0
Benton	172.7	...	6.4	57.6	89.5	19.2
Bledsoe	186.3	23.3	5.8	46.6	75.7	34.9
Blount	69.9	...	6.1	15.2	45.6	3.0
Bradley	92.5	...	15.4	15.4	61.7	...
Campbell	250.2	11.6	40.7	98.9	75.7	23.3
Cannon	88.5	5.2	10.4	15.6	31.2	26.0
Carroll	169.1	...	29.1	81.6	46.6	11.7
Carter	155.5	...	17.8	52.8	49.4	35.6
Cheatham	118.2	5.9	17.7	17.7	70.9	5.9
Chester	99.4	5.0	5.0	59.7	19.9	9.9
Claiborne	167.5	...	21.9	51.0	43.7	51.0
Clay	105.1	...	...	32.3	64.7	8.1
Cocke	163.4	...	11.3	42.9	93.4	15.8
Coffee	114.2	...	15.6	57.1	41.5	...
Crockett	15.1	7.6	...	7.6	...	...
Cumberland	320.3	23.3	29.1	93.2	128.1	46.6
Davidson	108.1	6.4	...	19.1	57.2	25.4
Decatur	134.8	5.4	27.0	43.1	48.5	10.8
De Kalb	114.2	...	40.0	34.2	17.1	22.8
Dickson	174.3	6.0	18.0	30.0	102.2	18.0
Dyer	40.4	...	...	...	40.4	...
Fayette	152.0	21.7	21.7	32.6	54.3	21.7
Fentress	244.1	5.8	29.1	93.0	98.8	17.4
Franklin	183.0	...	...	28.6	85.8	68.6
Gibson	36.4	...	12.1	...	24.2	...
Giles	171.8	...	39.3	24.5	78.5	29.5
Grainger	102.6	16.2	32.4	10.8	27.0	16.2
Greene	171.8	5.7	15.6	44.1	35.4	71.0
Grundy	165.9	5.7	11.4	51.5	45.8	51.5
Hamblen	32.8	...	...	16.4	16.4	...
Hamilton	210.7	...	19.7	65.8	105.3	19.7
Hancock	92.9	...	5.8	34.8	40.7	11.6
Hardeman	247.1	6.2	43.2	68.0	111.2	18.5
Hardin	219.9	4.8	43.0	109.9	57.4	4.8
Hawkins	177.3	5.7	5.7	51.5	51.5	62.9
Haywood	71.2	5.9	23.7	35.6	5.9	...
Henderson	158.4	11.3	17.0	79.2	45.3	5.7
Henry	176.1	...	13.0	71.7	78.3	13.0
Hickman	297.2	5.6	16.8	100.9	162.6	11.2
Houston	94.2	...	14.5	21.7	57.9	...
Humphreys	241.2	6.0	...	48.2	108.6	78.4
Jackson	135.9	...	15.7	20.9	73.2	26.1
Jefferson	62.2	11.3	...	11.3	33.9	5.7
Johnson	144.4	...	3.4	10.1	97.3	33.6
Knox	127.0	23.8	31.7	23.8	47.6	...
Lake	18.0	...	...	18.0	...	...

**Table 5—Area of timberland by county and site class, Tennessee Counties, 1989
Continued**

County	All classes	Site class (cubic feet/acre/year)				
		> 165	120-165	85-120	50-85	< 50
<i>Thousand acres</i>						
Lauderdale	88.8	16.2	24.2	16.2	32.3	...
Lawrence	199.8	6.9	13.8	34.5	96.5	48.2
Lewis	158.0	...	...	29.3	105.3	23.4
Lincoln	136.7	...	...	17.8	71.3	47.5
Loudon	62.3	5.7	28.3	...	22.7	5.7
McMinn	136.5	16.8	16.8	18.9	72.8	11.2
McNairy	224.4	...	11.5	109.3	69.0	34.5
Macon	77.0	...	21.0	49.0	7.0	...
Madison	140.7	24.5	18.3	30.6	48.9	18.3
Marion	251.7	18.0	30.0	36.0	119.9	47.9
Marshall	89.6	...	10.0	10.0	59.7	10.0
Maury	133.0	...	20.0	20.0	46.6	46.6
Meigs	82.9	...	...	35.5	41.5	5.9
Monroe	279.0	44.3	51.8	84.7	65.0	33.2
Montgomery	136.9	6.2	12.4	56.0	49.8	12.4
Moore	36.6	...	...	10.5	20.9	5.2
Morgan	276.2	...	11.3	78.9	157.8	28.2
Obion	67.6	18.4	...	49.1	...	...
Overton	170.4	6.8	13.6	68.1	61.3	20.4
Perry	223.6	...	11.5	51.6	114.7	45.9
Pickett	68.4	6.8	13.7	13.7	20.5	13.7
Polk	214.1	4.3	29.0	77.7	82.7	20.5
Putnam	152.3	10.9	27.2	38.1	70.7	5.4
Rhea	126.4	5.5	11.0	38.5	54.9	16.5
Roane	153.1	21.1	42.2	42.2	47.5	...
Robertson	53.0	...	...	30.3	15.2	7.6
Rutherford	155.7	...	...	...	55.6	100.1
Scott	300.3	...	49.1	65.5	152.9	32.8
Sequatchie	137.3	22.9	22.9	28.6	57.2	5.7
Sevier	127.5	14.2	9.4	18.9	47.2	37.8
Shelby	111.6	39.4	13.1	26.3	32.8	...
Smith	81.0	...	...	20.3	54.0	6.8
Stewart	219.7	...	12.6	50.2	75.3	81.6
Sullivan	123.6	...	9.6	8.5	87.4	18.1
Sumner	88.2	...	12.6	25.2	44.1	6.3
Tipton	50.9	...	14.5	29.1	7.3	...
Trousdale	30.0	...	...	...	24.0	6.0
Unicoi	89.4	6.3	29.1	8.3	45.8	...
Union	102.5	...	16.2	48.6	32.4	5.4
Van Buren	135.4	16.3	10.8	48.8	32.5	27.1
Warren	93.6	5.2	5.2	20.8	46.8	15.6
Washington	50.3	4.7	9.5	18.3	13.6	4.1
Wayne	372.6	...	25.3	56.8	221.1	69.5
Weakley	95.9	14.8	22.1	36.9	22.1	...
White	129.4	...	...	28.1	90.0	11.3
Williamson	142.0	5.3	26.3	36.8	57.9	15.8
Wilson	97.0	5.1	...	...	66.4	25.5
All counties	13265.2	594.8	1468.6	3602.4	5648.0	1951.4

**Table 6—Area of timberland by county and stocking classes of growing-stock trees,
Tennessee Counties, 1989**

County	All classes	Stocking class (percent)				
		> 130	100-130	60-100	16.7-60	< 16.7
<i>Thousand acres</i>						
Anderson	124.0	...	13.1	97.9	13.1	...
Bedford	74.6	...	16.0	37.3	21.3	...
Benton	172.7	...	38.4	89.5	44.8	...
Bledsoe	186.3	...	64.0	104.8	17.5	...
Blount	69.9	...	12.2	57.8	...	...
Bradley	92.5	15.4	...	61.7	15.4	...
Campbell	250.2	...	40.7	174.6	34.9	...
Cannon	88.5	...	5.2	57.2	20.8	5.2
Carroll	169.1	...	23.3	134.1	11.7	...
Carter	155.5	...	39.6	98.1	17.8	...
Cheatam	118.2	...	11.8	70.9	35.5	...
Chester	99.4	...	39.8	49.7	9.9	...
Claiborne	167.5	...	29.1	109.3	29.1	...
Clay	105.1	...	...	80.8	24.3	...
Cocke	163.4	...	48.6	103.5	11.3	...
Coffee	114.2	...	25.9	67.5	20.8	...
Crockett	15.1	...	7.6	7.6	...	...
Cumberland	320.3	...	104.8	209.7	5.8	...
Davidson	108.1	...	...	63.6	44.5	...
Decatur	134.8	5.4	16.2	107.9	5.4	...
De Kalb	114.2	...	22.8	85.6	5.7	...
Dickson	174.3	...	24.0	132.2	12.0	6.0
Dyer	40.4	...	...	20.2	20.2	...
Fayette	152.0	...	32.6	108.6	10.9	...
Fentress	244.1	5.8	69.7	168.5	...	...
Franklin	183.0	...	...	125.8	57.2	...
Gibson	36.4	...	...	24.2	12.1	...
Giles	171.8	...	14.7	93.3	63.8	...
Grainger	102.6	...	21.6	81.0	...	...
Greene	171.8	...	39.7	99.5	32.7	...
Grundy	165.9	...	34.3	91.5	34.3	5.7
Hamblen	32.8	...	8.2	24.6	...	...
Hamilton	210.7	...	26.3	125.1	52.7	6.6
Hancock	92.9	5.8	11.6	29.0	46.5	...
Hardeman	247.1	...	49.4	142.1	55.6	...
Hardin	219.9	4.8	23.9	157.7	33.5	...
Hawkins	177.3	...	5.7	131.6	40.0	...
Haywood	71.2	...	17.8	47.5	5.9	...
Henderson	158.4	...	34.0	113.2	11.3	...
Henry	176.1	...	45.6	97.8	32.6	...
Hickman	297.2	...	39.3	229.9	28.0	...
Houston	94.2	...	14.5	65.2	14.5	...
Humphreys	241.2	6.0	24.1	168.9	42.2	...

**Table 6—Area of timberland by county and stocking classes of growing-stock trees,
Tennessee Counties, 1989 - Continued**

County	All classes	Stocking class (percent)				
		> 130	100-130	60-100	16.7-60	< 16.7
<i>Thousand acres</i>						
Jackson	135.9	...	15.7	67.9	47.0	5.2
Jefferson	62.2	...	39.6	22.6	...	...
Johnson	144.4	...	26.9	107.4	10.1	...
Knox	127.0	...	23.8	87.3	15.9	...
Lake	18.0	...	18.0	...	...	...
Lauderdale	88.8	...	8.1	32.3	40.4	8.1
Lawrence	199.8	6.9	27.6	137.8	27.6	...
Lewis	158.0	...	35.1	117.0	5.9	...
Lincoln	136.7	...	23.8	77.2	35.7	...
Loudon	62.3	...	17.0	34.0	11.3	...
McMinn	136.5	5.6	44.8	74.9	11.2	...
McNairy	224.4	5.8	51.8	138.1	28.8	...
Macon	77.0	...	7.0	63.0	7.0	...
Madison	140.7	...	30.6	97.9	12.2	...
Marion	251.7	...	6.0	191.8	53.9	...
Marshall	89.6	...	...	49.8	39.8	...
Maury	133.0	...	...	106.4	26.6	...
Meigs	82.9	5.9	29.6	47.4	...	...
Monroe	279.0	7.1	95.4	165.4	11.1	...
Montgomery	136.9	...	12.4	74.7	49.8	...
Moore	36.6	...	5.2	20.9	10.5	...
Morgan	276.2	...	62.0	197.3	16.9	...
Obion	67.6	6.1	6.1	43.0	12.3	...
Overtown	170.4	...	34.1	122.7	13.6	...
Perry	223.6	...	22.9	137.6	63.1	...
Pickett	68.4	...	13.7	54.7	...	...
Polk	214.1	8.5	91.3	96.4	17.9	...
Putnam	152.3	...	38.1	76.2	38.1	...
Rhea	126.4	5.5	38.5	60.4	22.0	...
Roane	153.1	...	26.4	121.4	5.3	...
Robertson	53.0	...	...	37.9	15.2	...
Rutherford	155.7	...	11.1	66.7	55.6	22.2
Scott	300.3	10.9	103.7	163.8	21.8	...
Sequatchie	137.3	11.4	22.9	103.0	...	...
Sevier	127.5	...	37.8	80.2	9.4	...
Shelby	111.6	...	26.3	72.2	13.1	...
Smith	81.0	...	13.5	47.3	20.3	...
Stewart	219.7	...	12.6	163.2	37.7	6.3
Sullivan	123.6	...	36.7	67.7	19.2	...
Sumner	88.2	...	...	44.1	44.1	...
Tipton	50.9	...	7.3	36.3	7.3	...
Trousdale	30.0	...	...	18.0	12.0	...
Unicoi	89.4	...	25.0	54.1	10.4	...
Union	102.5	5.4	21.6	70.1	5.4	...
Van Buren	135.4	...	37.9	97.5	...	...
Warren	93.6	...	5.2	67.6	20.8	...
Washington	50.3	...	21.8	23.7	4.7	...
Wayne	372.6	...	63.2	259.0	50.5	...
Weakley	95.9	...	22.1	51.6	22.1	...
White	129.4	11.3	33.8	84.4	...	...
Williamson	142.0	...	21.0	73.6	47.3	...
Wilson	97.0	...	...	66.4	30.6	...
All counties	13265.2	133.7	2470.9	8518.4	2076.9	65.3

Table 7—Area of timberland by forest type and ownership class, Tennessee Counties, 1989

Forest type ¹	All ownerships	National forest	Other public	Forest industry	Forest industry- leased	Other private
<i>Thousand acres</i>						
White-red-jack pine	64.0	33.6	11.2	4.9	...	14.2
Loblolly-shortleaf pine	1333.8	64.8	63.4	257.4	4.8	943.3
Softwood total	1397.8	98.4	74.6	262.4	4.8	957.5
Oak-pine	1591.5	116.7	132.2	112.7	5.7	1224.2
Oak-hickory	9476.5	316.6	610.2	670.7	6.0	7873.1
Oak-gum-cypress	639.3	...	110.2	61.9	5.9	461.2
Elm-ash-cottonwood	43.0	...	14.6	8.1	...	20.3
Maple-beech-birch	111.4	24.2	11.1	...	...	76.2
Hardwood total	11861.8	457.5	878.3	853.4	17.6	9654.9
Nontyped ²	5.7	...	...	5.7	...	...
All types	13265.2	556.0	952.9	1121.5	22.4	10612.5

¹Forest type is based on species plurality of all live trees. Mixed types that in combination contain a majority of hardwood stocking are hardwood types.

²Timberland with no current stocking.

Table 8—Area of timberland by ownership and stocking classes of growing-stock trees, Tennessee Counties, 1989

Ownership class	All classes	Stocking class (percent)				
		> 130	100-130	60-100	16.7-60	< 16.7
<i>Thousand acres</i>						
National forest	556.0	15.7	198.5	315.2	26.6	...
Other public	952.9	...	217.6	561.9	161.6	11.8
Forest industry	1121.5	45.4	288.9	674.4	107.2	5.7
Forest industry-leased	22.4	...	...	16.7	5.7	...
Other private	10612.5	72.7	1765.9	6950.3	1775.8	47.8
All ownerships	13265.2	133.7	2470.9	8518.4	2076.9	65.3

Table 9—Area of timberland by forest type and stand-size class, Tennessee Counties, 1989

Forest type ¹	Stand-size class				
	All classes	Sawtimber	Poletimber	Sapling-seedling	Nonstocked ²
<i>Thousand acres</i>					
White-red-jack pine	64.0	56.7	7.3	...	...
Loblolly-shortleaf pine	1333.8	539.0	464.1	330.7	...
Softwood total	1397.8	595.7	471.4	330.7	...
Oak-pine	1591.5	612.6	565.0	414.0	...
Oak-hickory	9476.5	4765.1	3178.7	1532.7	...
Oak-gum-cypress	639.3	462.8	135.4	41.1	...
Elm-ash-cottonwood	43.0	30.8	7.3	5.0	...
Maple-beech-birch	111.4	54.2	39.8	17.4	...
Hardwood total	11861.8	5925.4	3926.2	2010.1	...
Nontyped ³	5.7	...	...	...	5.7
All types	13265.2	6521.2	4397.5	2340.8	5.7

¹Forest type is based on species plurality of all live trees. Mixed types that in combination contain a majority of hardwood stocking are hardwood types.

²Timberland less than 16.7 percent stocked.

³Timberland with no current stocking.

Table 10—Number of live trees on timberland by species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)											
		1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 & larger
<i>----- Thousand trees -----</i>													
Shortleaf-loblolly pine	263268	65586	65919	53246	38211	21336	11752	5074	1484	434	159	66	...
Other yellow pines	273239	98659	53090	44485	35949	19662	12604	6053	2045	508	137	46	...
Eastern white-red pine	77301	48898	13458	3893	3443	2194	1778	1030	908	634	481	521	63
Eastern hemlock	62223	37865	12531	5007	2189	1434	1239	771	369	384	188	232	13
Cypress	1975	...	563	...	245	136	31	143	176	114	117	293	158
Other softwoods	431268	253757	105344	44368	16608	6871	2927	963	231	168	9	21	...
Total softwoods	1109272	504764	250905	151000	96646	51633	30331	14034	5212	2243	1092	1179	233
Select white oaks	505443	199075	122396	59261	40019	30902	20583	15195	8320	4682	2404	2430	177
Select red oaks	82545	21209	12272	9820	10655	8180	5962	5625	3128	2138	1509	1809	240
Other white oaks	311873	96909	56224	47592	37432	26624	17667	12525	7419	4025	2410	2719	327
Other red oaks	318112	104124	51028	41180	34557	29151	20799	15867	9172	5838	3172	2942	282
Hickory	592126	303884	120481	56164	44268	30835	17686	10090	4572	2205	1060	821	59
Yellow birch	3773	2300	955	406	...	35	...	54	...	...	...	22	2
Hard maple	340466	222873	60964	24093	12131	7976	5140	3533	1569	1034	514	517	122
Soft maple	751000	513788	129970	48663	26617	14302	7994	4144	2455	1412	751	806	98
Beech	100895	59293	15850	6869	5376	3770	2431	2215	1211	1285	696	1534	366
Sweetgum	201440	110707	35370	20020	13040	9157	5960	3380	2349	603	435	374	46
Tupelo-blackgum	500257	393171	62330	20851	10146	5608	3298	2274	1302	609	393	263	9
Ash	240970	139015	47129	22894	12475	8223	4948	2610	1752	959	577	361	28
Cottonwood-aspen	1314	...	602	274	...	48	62	21	78	55	22	69	82
Basswood	15348	11047	...	1009	810	886	503	362	320	228	102	78	4
Yellow-poplar	272756	132741	44099	24309	19616	14977	11983	9679	6448	4174	2448	2135	146
Black walnut	20065	4735	2892	3973	2841	2255	1632	922	459	176	112	64	4
Other hardwoods	1748545	1238028	314287	97939	46828	24641	11973	6949	3224	2087	1227	1141	223
Total hardwoods	6006928	3552898	1076848	485317	316812	217570	138622	95444	53779	31508	17832	18084	2215
Noncommercial	944143	656916	204131	57841	17570	4601	1851	780	264	79	71	39	...
All species	8060343	4714579	1531884	694158	431027	273805	170804	110258	59256	33829	18995	19301	2448

Table 11—Number of growing-stock trees on timberland by species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)											
		1.0- 2.9	3.0- 4.9	5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 & larger
<i>----- Thousand trees -----</i>													
Shortleaf-loblolly pine	235960	48368	58428	51933	37307	21056	11676	5074	1469	434	148	66	...
Other yellow pines	232120	73764	41725	41686	34960	19160	12351	5879	1979	443	137	36	...
Eastern white-red pine	72908	45376	12941	3730	3443	2127	1691	1030	890	623	481	511	63
Eastern hemlock	53991	31560	10936	4779	2189	1388	1212	771	352	376	188	227	13
Cypress	1810	...	563	...	170	136	31	118	139	97	117	293	146
Other softwoods	346839	202435	86513	36301	13854	4689	2131	642	139	119	9	8	...
Total softwoods	943628	401503	211106	138429	91924	48557	29093	13513	4968	2093	1081	1141	221
Select white oaks	385488	117791	97230	53082	38135	29727	19031	14366	7702	4226	2134	1980	84
Select red oaks	70158	12958	10568	9072	10283	7745	5784	5369	2999	2064	1437	1685	195
Other white oaks	232218	48647	40642	43227	34916	24682	15621	10741	6461	3408	1870	1838	163
Other red oaks	256130	65109	40086	38040	32941	27481	18649	14823	8281	5247	2760	2516	196
Hickory	410332	157578	98311	49944	41908	29355	16017	9221	4315	1930	995	709	48
Yellow birch	2415	1099	955	319	...	...	...	28	...	...	...	12	2
Hard maple	197076	108421	43190	18048	10461	7077	4219	2712	1340	789	457	323	39
Soft maple	408052	241807	87263	36541	19833	10323	5597	3104	1544	957	500	531	52
Beech	48014	21807	6828	4954	4501	3059	1832	1664	1004	913	473	837	143
Sweetgum	126742	54660	21469	17307	12173	8593	5717	3285	2221	538	413	320	46
Tupelo-blackgum	203089	126100	40775	16539	8452	4580	2827	1870	1018	509	220	195	4
Ash	126819	57022	26818	16764	9741	7126	4022	2176	1547	825	492	264	21
Cottonwood-aspen	1301	...	602	274	...	48	62	21	78	42	22	69	82
Basswood	5064	1545	...	658	758	668	503	362	286	138	82	64	...
Yellow-poplar	235511	103557	39908	22553	18864	14640	11685	9392	6299	4063	2406	2047	97
Black walnut	10767	545	1124	2664	1869	1946	1331	689	376	112	82	26	4
Other hardwoods	730566	454183	140123	62843	35732	18532	8371	5213	2265	1418	916	858	110
Total hardwoods	3449743	1572828	695892	392830	280567	195583	121269	85036	47738	27179	15259	14274	1287
All species	4393371	1974332	906998	531259	372490	244141	150362	98550	52706	29271	16339	15415	1508

Table 12—Volume of growing stock on timberland by species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)									
		5.0- 6.9	7.0- 8.9	9.0- 10.9	11.0- 12.9	13.0- 14.9	15.0- 16.9	17.0- 18.9	19.0- 20.9	21.0- 28.9	29.0 & larger
<i>Million cubic feet</i>											
Shortleaf-loblolly pine	1064.8	120.4	232.0	261.7	223.8	137.8	53.5	21.5	8.5	5.6	...
Other yellow pines	1115.6	132.8	250.9	244.7	234.7	154.5	68.4	19.0	8.0	2.7	...
Eastern white-red pine	254.3	8.0	19.3	23.2	28.1	25.0	31.4	30.1	28.8	49.5	11.0
Eastern hemlock	141.8	10.8	12.0	15.2	21.7	19.7	12.3	16.7	11.4	20.0	2.0
Cypress	81.4	...	1.2	2.1	0.4	2.7	4.7	4.8	6.7	31.3	27.6
Other softwoods	237.4	81.9	66.8	42.2	27.5	11.7	3.8	3.0	0.2	0.2	...
Total softwoods	2895.3	353.9	582.2	589.1	536.2	351.4	174.1	95.2	63.5	109.2	40.6
Select white oaks	2097.8	139.2	231.9	332.9	341.8	356.7	261.4	180.7	110.8	133.1	9.4
Select red oaks	837.1	23.6	65.1	85.8	104.2	135.0	100.8	88.2	76.7	130.0	27.9
Other white oaks	1572.5	108.1	192.9	250.1	252.8	231.5	188.8	127.9	88.2	114.5	17.7
Other red oaks	2049.7	101.5	193.7	288.9	305.0	346.8	252.5	217.5	142.3	174.9	26.6
Hickory	1608.5	120.7	241.6	324.2	301.4	243.2	157.7	91.8	58.0	61.2	8.6
Yellow birch	2.6	0.6	...	...	...	0.7	...	...	...	1.2	0.2
Hard maple	472.6	47.7	64.9	79.9	73.6	70.3	46.6	35.5	24.5	25.7	3.7
Soft maple	644.5	102.2	120.2	115.4	92.2	70.1	46.6	36.7	23.8	34.1	3.2
Beech	314.8	13.0	25.3	33.9	32.0	39.8	32.2	35.9	23.5	64.8	14.6
Sweetgum	584.9	38.7	71.7	100.4	113.4	91.2	83.7	28.1	23.7	27.5	6.5
Tupelo-blackgum	274.6	36.0	44.0	42.8	42.8	39.5	28.2	18.9	10.6	11.6	0.3
Ash	431.3	39.8	57.5	75.5	69.7	55.4	50.9	36.2	24.8	18.5	2.9
Cottonwood-aspen	32.6	0.4	...	0.4	1.2	0.7	3.4	2.2	1.5	7.0	15.8
Basswood	66.5	2.3	5.7	8.6	11.2	10.4	10.6	7.2	5.0	5.5	...
Yellow-poplar	1668.1	63.1	127.3	176.6	235.2	268.9	242.5	206.8	152.2	181.8	13.8
Black walnut	91.7	6.2	11.4	19.3	18.2	14.9	11.3	4.2	3.8	1.8	0.5
Other hardwoods	1037.6	150.3	195.5	188.0	135.7	119.0	71.3	54.4	49.3	61.0	13.0
Total hardwoods	13787.4	993.3	1648.7	2122.8	2130.4	2094.1	1588.3	1172.2	818.6	1054.1	164.8
All species	16682.7	1347.2	2231.0	2711.9	2666.6	2445.4	1762.4	1267.4	882.1	1163.3	205.4

Table 13—Volume of growing stock in the saw-log portion of sawtimber¹ trees on timberland by species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>- - - Million cubic feet - - -</i>									
Shortleaf-loblolly pine	606.7	209.0	196.2	122.9	47.4	18.8	7.6	4.9	...
Other yellow pines	618.4	196.2	200.8	136.4	59.5	16.5	6.7	2.2	...
Eastern white-red pine	202.1	18.3	24.5	22.0	29.2	27.4	26.1	44.3	10.2
Eastern hemlock	105.5	11.9	18.6	17.4	11.1	15.7	10.4	18.3	2.0
Cypress	74.5	1.7	0.3	2.1	3.9	4.2	6.3	29.5	26.5
Other softwoods	73.9	33.4	23.5	10.4	3.6	2.7	0.2	0.2	...
Total softwoods	1681.0	470.5	464.0	311.2	154.7	85.3	57.3	99.4	38.6
Select white oaks	1125.6	...	251.7	289.7	217.9	153.0	94.4	111.1	7.9
Select red oaks	546.2	...	77.5	110.0	84.3	74.8	64.9	110.7	24.0
Other white oaks	822.3	...	189.3	188.2	157.0	106.4	72.3	95.3	13.8
Other red oaks	1208.0	...	227.1	286.7	215.3	185.9	121.2	148.9	22.8
Hickory	746.2	...	225.8	200.7	133.1	76.8	51.0	51.3	7.5
Yellow birch	1.6	...	...	0.4	...	...	...	1.0	0.2
Hard maple	218.9	...	53.2	55.3	37.3	28.6	20.3	21.3	2.9
Soft maple	242.7	...	65.9	54.2	38.7	31.1	21.1	28.8	2.9
Beech	196.2	...	22.9	31.9	26.8	28.9	19.1	53.9	12.6
Sweetgum	305.9	...	80.1	75.7	72.6	25.2	21.2	25.4	5.6
Tupelo-blackgum	126.4	...	31.8	32.7	24.8	16.6	9.6	10.5	0.3
Ash	210.4	...	50.5	45.6	42.2	31.7	21.4	16.3	2.8
Cottonwood-aspen	28.9	...	1.0	0.6	3.0	2.0	1.3	6.5	14.5
Basswood	41.1	...	8.6	8.3	8.9	6.2	4.3	4.7	...
Yellow-poplar	1098.4	...	170.0	222.4	212.6	183.3	135.7	162.3	12.1
Black walnut	41.3	...	13.0	11.5	8.8	3.3	3.1	1.1	0.5
Other hardwoods	400.0	...	96.0	92.5	58.6	44.8	42.5	53.9	11.8
Total hardwoods	7359.8	...	1564.3	1706.5	1341.9	998.5	703.4	903.2	142.0
All species	9040.8	470.5	2028.3	2017.7	1496.6	1083.9	760.7	1002.6	180.6

¹That part of the bole of sawtimber trees between a 1-foot stump and saw-log top.

Table 14—Volume of sawtimber on timberland by species and diameter class, Tennessee Counties, 1989

Species	Diameter class (inches at breast height)								
	All classes	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>- - - - - Million board feet - - - - -</i>									
Shortleaf-loblolly pine	3509.8	1132.2	1139.1	739.8	295.8	122.0	48.2	32.8	...
Other yellow pines	3545.3	1058.2	1145.6	812.7	366.3	102.5	45.4	14.6	...
Eastern white-red pine	1187.2	94.3	133.0	124.2	166.2	166.2	158.4	280.1	64.9
Eastern hemlock	589.8	60.8	100.5	97.8	64.0	88.0	60.0	107.4	11.3
Cypress	414.0	9.3	1.1	11.1	23.1	22.6	34.7	170.7	141.5
Other softwoods	369.2	165.1	117.2	53.7	18.9	13.1	0.7	0.5	...
Total softwoods	9615.4	2519.9	2636.6	1839.1	934.3	514.4	347.3	606.1	217.7
Select white oaks	6667.0	...	1385.7	1666.3	1319.8	945.1	600.0	705.8	44.3
Select red oaks	3297.1	...	433.7	642.0	502.7	461.6	406.1	693.6	157.3
Other white oaks	4897.2	...	1051.8	1083.4	942.5	659.9	457.9	608.7	92.9
Other red oaks	7147.1	...	1229.8	1645.5	1275.2	1142.5	757.0	948.3	148.7
Hickory	4545.2	...	1294.7	1201.2	833.5	493.3	330.9	339.5	52.2
Yellow birch	10.8	...	...	2.2	...	...	...	7.3	1.3
Hard maple	1360.5	...	306.1	339.1	232.2	186.4	133.3	145.1	18.2
Soft maple	1402.0	...	362.4	311.8	230.5	183.9	129.3	171.4	12.7
Beech	1198.9	...	125.7	184.2	161.4	181.1	122.3	345.7	78.6
Sweetgum	1787.9	...	451.5	439.6	429.0	151.8	126.0	153.7	36.4
Tupelo-blackgum	723.1	...	169.4	182.1	147.2	99.2	59.3	64.6	1.4
Ash	1248.6	...	283.4	272.1	255.5	194.5	129.9	98.9	14.4
Cottonwood-aspen	186.6	...	5.5	3.9	19.2	11.9	7.9	44.2	94.2
Basswood	256.1	...	52.4	52.0	53.5	41.0	27.1	30.0	...
Yellow-poplar	6687.0	...	981.2	1318.7	1285.2	1132.3	854.8	1042.7	72.0
Black walnut	244.5	...	70.4	69.4	54.2	21.0	19.2	7.0	3.3
Other hardwoods	2338.6	...	527.3	534.4	344.9	269.9	264.1	323.7	74.3
Total hardwoods	43998.2	...	8731.0	9947.9	8086.3	6175.4	4425.1	5730.2	902.2
All species	53613.6	2519.9	11367.6	11787.1	9020.6	6689.8	4772.4	6336.3	1119.9

Table 15—Volume of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine	Planted	Natural	Other	Soft ¹	Hard ²	Pine	Planted	Natural	Other	
<i>----- Million cubic feet -----</i>												<i>----- Million board feet -----</i>
Anderson	199.3	...	24.4	15.0	56.2	103.6	791.5	...	112.4	50.6	207.2	421.4
Bedford	50.8	...	...	4.4	19.8	26.7	141.2	...	...	4.6	61.6	75.0
Benton	175.9	13.4	0.4	0.7	33.4	128.0	444.8	11.1	1.0	1.6	67.9	363.2
Bledsoe	187.5	26.6	40.8	2.6	22.7	94.8	457.6	43.2	126.5	10.7	51.6	225.6
Blount	111.0	6.8	34.6	0.4	14.6	54.7	365.2	23.9	126.9	...	33.1	181.3
Bradley	113.9	...	51.3	0.9	13.1	48.5	422.9	...	184.5	3.5	28.2	206.7
Campbell	354.0	...	50.6	5.7	97.1	200.6	1335.9	...	172.5	19.7	344.0	799.5
Cannon	92.2	...	4.5	4.6	29.1	54.0	243.6	...	2.2	7.1	66.5	167.9
Carroll	252.5	7.1	10.1	1.5	95.3	138.5	804.9	31.6	49.2	2.3	267.5	454.3
Carter	277.6	...	28.3	13.7	87.1	148.5	959.1	...	107.8	56.3	340.2	454.7
Cheatam	145.8	...	0.4	4.8	27.7	112.9	440.0	...	1.9	12.1	85.2	340.9
Chester	104.0	10.8	18.7	1.1	29.3	44.1	296.3	37.9	76.2	1.9	62.8	117.5
Claiborne	196.3	...	9.1	2.4	53.2	131.6	653.3	...	37.1	2.0	181.2	433.0
Clay	88.6	...	0.7	2.7	12.1	73.1	212.9	...	4.8	3.9	23.2	181.0
Cooke	238.0	...	41.7	5.9	70.9	119.6	791.3	...	151.4	21.7	195.8	422.4
Coffee	154.3	...	...	...	28.4	125.9	486.6	...	...	...	81.2	405.4
Crockett	33.0	...	...	...	6.0	27.0	165.2	...	...	...	27.9	137.2
Cumberland	418.3	9.5	109.5	4.1	64.2	231.0	1276.9	2.0	422.3	13.4	160.9	678.2
Davidson	114.4	...	0.5	3.9	8.8	101.2	380.7	...	...	6.2	22.8	351.7
Decatur	206.5	17.8	3.0	3.9	45.0	136.9	672.3	78.6	10.1	11.7	124.2	447.7
De Kalb	166.8	...	...	13.6	57.9	95.4	523.5	...	...	21.9	238.1	263.5
Dickson	216.8	...	...	1.2	32.6	183.0	738.3	...	...	...	110.5	627.8
Dyer	51.5	...	...	...	34.5	17.0	225.9	...	...	...	154.2	71.7
Fayette	201.7	...	14.6	6.2	37.7	143.2	638.1	...	34.2	10.6	102.2	491.1
Fentress	363.5	10.5	102.6	15.3	65.2	170.0	1057.7	13.8	327.9	61.5	177.3	477.2
Franklin	175.7	...	...	4.4	16.5	154.8	574.5	...	...	6.3	64.9	503.2
Gibson	47.0	...	...	...	...	47.0	155.9	...	...	...	...	155.9
Giles	151.4	3.1	0.1	1.9	52.5	93.7	347.8	9.8	...	3.9	103.8	230.3
Grainger	156.2	...	15.2	3.1	50.6	87.4	522.3	...	47.2	6.6	184.4	284.0
Greene	246.8	...	35.9	5.7	68.2	136.9	856.0	...	119.6	9.0	262.4	465.0
Grundy	194.4	...	29.6	2.2	40.0	122.5	519.2	...	64.9	6.1	117.4	330.8
Hamblen	70.4	...	18.4	2.7	9.1	40.1	276.5	...	75.7	2.7	27.6	170.6
Hamilton	248.8	14.0	77.2	0.9	22.0	134.8	890.5	63.2	297.9	2.5	52.7	474.2
Hancock	65.3	...	1.5	2.2	15.8	45.9	213.2	...	9.7	1.2	43.0	159.2
Hardeman	297.7	28.1	25.3	5.3	76.2	162.9	955.3	108.3	87.7	10.9	222.3	526.2
Hardin	258.3	24.4	36.3	5.2	60.2	132.2	689.2	30.6	125.1	12.9	159.0	361.6
Hawkins	191.9	...	26.4	1.4	37.0	127.1	607.9	...	76.4	...	132.7	398.7
Haywood	122.5	...	...	...	43.0	79.5	488.5	...	...	...	157.0	331.5
Henderson	214.6	26.9	9.4	3.2	71.3	103.7	646.4	75.9	23.2	5.9	197.7	343.8
Henry	231.1	2.2	...	0.6	109.0	119.2	835.8	9.2	...	...	402.3	424.4
Hickman	345.6	8.1	4.8	0.7	56.0	276.0	906.3	29.1	6.7	3.2	164.2	703.1
Houston	113.9	...	...	0.5	21.7	91.8	359.3	...	...	1.6	60.0	297.6
Humphreys	272.4	...	1.7	1.8	43.4	225.5	783.6	...	8.4	4.4	116.9	653.9
Jackson	166.6	...	1.2	9.0	51.2	105.1	583.8	...	3.9	15.8	185.4	378.8
Jefferson	98.3	12.0	1.4	2.1	14.4	68.4	368.7	43.0	4.4	4.4	42.3	274.7
Johnson	193.1	0.4	22.1	7.8	51.3	111.6	608.2	...	91.5	27.6	141.9	347.2
Knox	169.6	...	35.8	3.9	50.0	79.9	628.8	...	105.5	7.2	206.2	310.0
Lake	72.1	...	...	38.8	12.6	20.7	346.7	...	...	200.2	53.5	92.9

**Table 15—Volume of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989 -
Continued**

County	Growing stock					Sawtimber						
	Softwood			Hardwood		All species	Softwood			Hardwood		
	Pine		Planted	Natural	Other		Planted	Natural	Other	Soft ¹	Hard ²	
<i>- Million cubic feet -</i>												
Lauderdale	134.2	...	...	20.0	62.9	51.3	623.4	...	...	105.3	302.5	215.5
Lawrence	173.3	...	...	...	44.1	129.3	481.0	...	...	...	149.0	331.9
Lewis	164.9	...	1.6	...	20.2	143.0	430.5	...	4.9	...	59.1	366.5
Lincoln	114.2	...	...	9.7	31.5	73.0	276.6	...	...	5.1	60.1	211.4
Loudon	97.6	17.1	23.6	2.6	7.2	47.0	378.9	68.8	81.0	5.3	16.8	207.0
McMinn	215.0	32.6	74.1	1.2	37.1	69.9	670.0	79.5	227.8	...	137.8	224.8
McNairy	233.2	4.0	72.1	2.4	49.1	105.5	610.2	...	227.6	4.7	110.1	267.7
Macon	105.2	...	...	0.3	53.6	51.3	378.0	...	...	...	194.0	184.1
Madison	209.2	...	1.2	6.9	68.6	132.6	729.1	...	1.4	18.3	238.6	470.8
Marion	265.4	0.9	33.1	7.1	50.1	174.2	846.9	...	117.3	34.1	150.6	544.9
Marshall	51.7	...	...	5.9	10.1	35.6	153.6	...	...	6.9	25.4	121.3
Maury	108.3	...	...	0.5	35.5	72.3	241.8	...	...	...	75.5	166.4
Meigs	126.6	42.1	11.6	1.7	23.2	47.9	367.4	126.0	34.4	5.6	41.1	160.3
Monroe	477.4	2.4	185.0	14.1	88.9	187.0	1537.2	6.3	646.8	39.9	263.3	580.9
Montgomery	143.0	...	5.5	2.8	48.3	86.3	404.4	...	14.9	3.8	130.2	255.4
Moore	55.3	...	...	2.7	9.6	43.0	192.6	...	...	7.1	27.6	157.8
Morgan	368.7	1.2	86.3	2.0	94.9	184.4	1323.0	...	342.1	8.4	318.9	653.6
Obion	141.4	...	...	12.9	49.4	79.2	613.1	...	...	67.1	172.8	373.1
Overton	291.3	...	28.6	2.9	123.8	136.0	1072.8	...	140.7	4.6	451.7	475.8
Perry	247.9	...	1.8	5.6	28.0	212.5	628.9	...	6.6	7.0	84.5	530.8
Pickett	92.9	...	1.7	5.3	31.3	54.6	295.2	...	5.2	18.1	112.2	159.6
Polk	326.1	...	190.0	7.9	40.4	87.8	1193.8	...	743.1	24.1	114.3	312.2
Putnam	202.7	...	14.5	4.4	69.4	114.5	708.7	...	62.4	12.6	263.4	370.4
Rhea	180.1	15.5	25.8	2.8	46.1	90.0	510.4	33.1	65.5	10.3	137.7	263.8
Roane	228.7	14.8	31.3	...	57.9	124.7	733.5	73.4	121.8	...	191.5	346.9
Robertson	66.3	...	...	0.4	24.3	41.6	262.5	...	...	1.8	87.5	173.2
Rutherford	52.3	...	...	11.7	7.6	33.0	95.2	...	...	6.1	14.8	74.2
Scott	490.1	16.9	82.4	7.8	98.5	284.6	1565.4	64.3	298.4	34.2	266.3	902.3
Sequatchie	134.4	2.1	45.7	6.2	20.9	59.4	371.9	1.5	129.8	28.9	52.7	159.0
Sevier	183.5	...	63.0	6.1	29.2	85.2	623.9	...	224.5	22.8	76.0	300.5
Shelby	189.0	...	...	1.7	130.6	56.8	678.8	...	...	7.8	478.7	192.4
Smith	79.1	...	...	4.2	20.5	54.5	202.7	...	...	1.4	64.0	137.4
Stewart	236.4	...	...	6.2	63.1	167.0	770.5	...	...	22.0	177.5	571.0
Sullivan	160.0	...	31.6	1.6	30.4	96.4	488.7	...	120.8	1.3	92.0	274.6
Sumner	79.3	...	...	3.6	30.7	45.0	275.4	...	...	4.3	120.5	150.6
Tipton	76.6	...	...	...	45.0	31.6	280.7	...	...	...	153.6	127.1
Trousdale	25.3	...	...	4.8	7.8	12.8	49.8	...	...	0.5	18.2	31.1
Unicoi	170.2	...	35.4	11.1	53.9	69.8	619.0	...	176.0	47.0	174.4	221.6
Union	123.2	...	17.6	5.6	43.8	56.2	420.9	...	55.1	7.2	152.1	206.5
Van Buren	149.7	2.7	31.7	7.8	37.4	70.0	441.1	2.0	56.0	39.9	125.4	217.9
Warren	111.6	...	...	...	27.1	84.5	370.5	...	...	...	109.2	261.2
Washington	96.5	2.7	10.5	7.2	23.0	53.1	375.3	3.3	48.2	35.8	78.1	209.9
Wayne	334.0	5.8	15.8	1.4	40.9	270.1	798.2	...	36.8	1.7	81.4	678.3
Weakley	139.7	16.0	0.6	4.1	45.9	73.0	520.8	50.0	2.8	19.7	150.2	298.1
White	198.3	21.4	3.1	1.5	62.9	109.4	665.3	20.0	10.8	2.7	222.4	409.4
Williamson	163.7	...	1.6	13.0	53.0	96.2	545.3	...	3.3	20.1	201.1	320.8
Wilson	51.4	...	...	14.7	5.7	31.0	100.7	...	...	23.8	12.3	64.6
All counties	16682.7	419.9	2014.9	460.6	4097.2	9690.1	53613.6	1139.3	7103.0	1373.1	13050.6	30947.7

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 16—Volume of timber on timberland by class of timber and species group, Tennessee Counties, 1989

Class of timber	All species	Softwood			Hardwood	
		Pine			Other	Soft ¹
		Planted	Natural			
----- <i>Million cubic feet</i> -----						
Sawtimber trees:						
Saw-log portion	9040.8	202.2	1224.9	253.9	2186.5	5173.3
Upper-stem portion	1940.9	39.1	205.2	33.9	459.6	1203.1
Total	10981.7	241.3	1430.1	287.8	2646.1	6376.4
Poletimber trees	5701.0	178.5	584.8	172.7	1451.1	3313.7
All growing-stock trees	16682.7	419.9	2014.9	460.6	4097.2	9690.1
Rough trees:						
Sawtimber size	587.5	1.5	14.5	26.0	145.1	400.4
Poletimber size	664.7	3.0	13.7	21.7	182.8	443.5
Total	1252.3	4.6	28.2	47.7	327.9	843.9
Rotten trees:						
Sawtimber size	310.8	...	1.0	4.8	93.8	211.2
Poletimber size	33.4	...	...	0.5	13.0	19.9
Total	344.2	...	1.0	5.3	106.8	231.1
Salvable dead trees:						
Sawtimber size	68.8	2.3	21.8	0.7	12.5	31.6
Poletimber size	55.8	0.6	7.3	2.1	6.0	39.8
Total	124.6	2.8	29.1	2.8	18.5	71.4
All classes	18403.8	427.2	2073.3	516.3	4550.5	10836.5

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 17—Volume of live trees and growing stock on timberland by ownership class and species group, Tennessee Counties, 1989

Ownership class	All species	Live trees					Growing stock				
		Softwood			Hardwood		Softwood			Hardwood	
		Pine			Soft ¹	Hard ²	Pine			Soft ¹	Hard ²
		Planted	Natural	Other			Planted	Natural	Other		
----- <i>Million cubic feet</i> -----											
National forest	1077.4	2.4	272.4	30.7	249.3	522.7	1005.0	2.4	270.1	30.5	234.9
Other public	1531.8	42.2	160.5	107.8	400.5	820.9	1391.2	42.1	159.0	101.2	334.9
Forest industry	1311.5	128.2	150.3	30.5	269.0	733.5	1223.6	126.6	147.7	28.3	674.8
Forest industry-leased	34.2	3.3	0.6	0.3	7.6	22.4	30.8	3.1	0.6	0.2	7.3
Other private	14324.3	248.3	1460.4	344.3	3605.7	8665.6	13032.1	245.7	1437.6	300.4	3273.8
All ownerships	18279.2	424.4	2044.1	513.5	4532.0	10765.1	16682.7	419.9	2014.9	460.6	4097.2

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 18—Average net annual growth of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989

County	Growing stock						Sawtimber					
	Softwood			Hardwood			Softwood			Hardwood		
	All species	Planted	Natural	Other	Soft ¹	Hard ²	All species	Planted	Natural	Other	Soft ¹	Hard ²
<i>- Million cubic feet -</i>												<i>- Million board feet -</i>
Anderson	8.2	...	...	0.4	4.1	3.7	40.2	...	...	2.1	17.1	20.9
Bedford	1.5	...	...	0.3	0.7	0.5	4.2	...	...	0.2	2.0	2.0
Benton	10.0	0.6	0.3	0.1	2.3	6.7	30.3	0.6	0.5	0.2	3.4	25.6
Bledsoe	10.6	2.0	1.8	0.1	1.5	5.2	26.0	1.4	6.1	0.4	3.6	14.5
Blount	2.0	0.4	-0.3	...	0.6	1.3	3.9	1.3	-1.5	...	1.8	2.3
Bradley	5.3	...	2.8	-0.3	0.8	2.1	25.4	...	13.1	-0.4	3.0	9.7
Campbell	10.2	...	0.8	0.2	4.4	4.8	56.9	...	4.6	1.4	20.0	30.8
Cannon	4.6	...	0.3	0.2	1.8	2.3	14.0	...	0.3	0.6	5.7	7.4
Carroll	12.7	0.4	0.2	...	5.4	6.7	51.4	2.3	0.9	-0.2	19.6	28.8
Carter	7.1	...	0.1	-0.4	4.1	3.3	33.6	...	3.4	-4.0	17.8	16.4
Cheatam	7.8	...	...	0.3	1.8	5.7	28.8	...	...	1.0	6.1	21.7
Chester	2.6	0.2	0.1	...	0.6	1.6	7.4	0.7	-1.1	0.1	1.6	6.1
Claiborne	8.4	...	-0.1	0.2	3.1	5.2	32.2	...	0.6	...	12.8	18.8
Clay	4.6	...	...	0.1	0.9	3.6	15.8	...	-0.2	0.1	2.5	13.4
Cocke	6.0	...	0.7	0.3	3.4	1.6	27.1	...	3.5	0.7	12.7	10.1
Coffee	4.8	...	...	...	1.3	3.6	19.3	...	...	...	3.8	15.5
Crockett	0.6	...	...	...	0.3	0.3	3.4	...	...	...	1.1	2.2
Cumberland	12.8	0.6	3.2	0.2	2.6	6.2	45.5	0.6	13.4	1.1	8.0	22.4
Davidson	4.2	...	0.1	0.2	0.5	3.4	11.2	...	...	0.7	0.9	9.5
Decatur	9.7	1.0	...	0.2	2.7	5.9	39.2	7.0	...	0.2	7.2	24.9
De Kalb	7.5	...	...	0.6	2.9	4.0	27.7	...	...	1.4	14.0	12.4
Dickson	7.8	...	...	0.1	1.6	6.1	42.0	...	...	...	6.5	35.5
Dyer	0.8	...	...	...	0.1	0.7	3.7	...	...	...	0.5	3.1
Fayette	10.5	...	0.8	0.1	2.5	7.0	38.9	...	2.9	0.6	7.3	28.0
Fentress	13.0	0.9	3.2	0.7	3.0	5.2	44.4	1.0	10.0	2.0	10.6	20.8
Franklin	4.3	...	...	0.2	0.6	3.5	17.9	...	...	0.8	3.3	13.7
Gibson	0.6	...	...	...	-0.4	1.0	5.0	...	...	...	-0.9	5.8
Giles	8.7	0.4	...	...	3.3	5.0	23.4	1.2	0.1	0.2	8.4	13.5
Grainger	8.5	...	0.6	0.2	2.6	5.0	37.4	...	1.8	1.1	12.3	22.3
Greene	12.2	...	1.7	-0.2	5.1	5.6	48.4	...	5.8	1.2	19.9	21.5
Grundy	8.5	...	1.4	...	1.9	5.2	25.0	...	3.8	0.2	5.0	16.0
Hamblen	3.4	...	-0.4	...	0.6	3.2	16.8	...	0.6	...	3.1	13.0
Hamilton	9.2	0.9	2.1	0.1	1.0	5.0	34.9	3.3	12.6	0.3	0.7	18.0
Hancock	3.5	...	...	...	0.9	2.5	15.4	...	0.2	...	5.3	9.8
Hardeman	11.1	1.6	1.1	0.6	2.0	5.8	36.8	6.2	4.2	1.8	3.2	21.4
Hardin	12.0	3.4	0.6	0.2	2.5	5.3	37.8	10.2	2.9	0.2	7.6	16.9
Hawkins	3.7	...	0.3	0.2	0.9	2.4	17.3	...	0.1	...	4.1	13.1
Haywood	4.3	...	...	...	2.3	1.9	10.2	...	...	...	6.6	3.6
Henderson	7.6	1.0	0.1	...	2.7	3.9	31.4	2.8	0.4	...	11.3	16.9
Henry	10.3	...	...	...	6.6	3.8	53.0	...	...	...	35.7	17.3
Hickman	7.2	...	0.1	0.1	1.5	5.6	34.9	0.5	0.3	0.3	5.0	28.7
Houston	3.7	...	...	0.1	0.9	2.7	15.7	...	...	0.2	3.8	11.7
Humphreys	8.1	...	0.1	...	2.0	6.0	34.1	...	0.7	-0.3	7.1	26.6
Jackson	5.9	...	0.1	0.2	2.1	3.6	23.5	...	0.3	0.6	7.8	14.8
Jefferson	6.4	...	0.6	...	1.2	4.6	25.2	...	5.2	0.2	3.4	16.4
Johnson	10.1	...	0.8	0.7	2.0	6.5	42.7	...	3.1	2.6	9.8	27.1
Knox	5.9	...	0.9	0.1	1.6	3.3	22.4	...	1.3	0.8	9.9	10.4
Lake	...	...	...	...	...	...	...	...	...	...	...	...

Table 18—Average net annual growth of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989 - Continued

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood			All species	Softwood			Hardwood
		Planted	Natural	Other	Soft ¹	Hard ²	Pine		Planted	Natural	Other	Soft ¹
<i>- Million cubic feet -</i>						<i>- Million board feet -</i>						
Lauderdale	4.7	...	...	0.6	2.4	1.7	17.0	...	...	2.6	7.7	6.8
Lawrence	5.5	...	...	...	1.5	4.0	22.3	...	0.3	...	7.6	14.4
Lewis	6.4	...	0.1	...	0.7	5.6	23.8	...	0.1	...	3.0	20.7
Lincoln	4.3	...	...	0.2	1.6	2.5	14.2	...	...	0.4	3.3	10.4
Loudon	4.9	0.8	1.6	0.2	0.4	2.0	24.4	5.9	6.5	0.6	0.2	11.2
McMinn	9.5	1.5	3.3	...	1.9	2.7	36.8	5.0	14.8	...	8.3	8.7
McNairy	12.1	1.4	1.8	0.3	3.6	5.2	37.2	0.9	5.8	0.5	10.4	19.5
Macon	4.3	...	...	...	2.7	1.6	22.3	...	...	...	13.3	8.9
Madison	9.2	...	0.1	0.4	3.1	5.6	39.8	...	0.2	1.1	14.1	24.4
Marion	9.6	0.1	1.0	0.2	2.2	6.1	28.2	...	0.5	0.4	5.7	21.7
Marshall	1.1	...	...	0.4	0.3	0.5	2.9	...	...	0.7	0.7	1.5
Maury	3.1	...	...	...	1.2	1.9	8.8	...	...	...	4.2	4.6
Meigs	5.3	1.8	...	...	1.3	2.2	26.6	11.3	-0.3	0.2	4.6	10.8
Monroe	17.0	...	6.8	0.6	2.8	6.7	67.6	...	31.2	2.4	10.0	24.0
Montgomery	7.8	...	0.4	0.1	2.8	4.5	27.6	...	0.7	0.2	10.2	16.5
Moore	1.5	...	...	...	0.5	1.0	4.7	...	...	-0.3	1.3	3.7
Morgan	17.9	...	4.6	0.1	4.8	8.4	79.1	...	20.2	0.7	18.2	40.1
Obion	5.9	...	...	0.3	1.7	3.9	32.8	...	...	1.1	8.5	23.1
Overton	10.3	...	0.8	0.1	4.4	5.0	52.9	...	4.5	0.4	23.9	24.1
Perry	11.2	...	0.1	0.2	1.6	9.3	43.3	...	0.7	0.7	7.5	34.4
Pickett	2.5	...	0.1	0.2	0.9	1.3	7.9	...	0.4	0.6	3.7	3.2
Polk	6.1	0.3	4.1	0.1	1.2	0.4	37.1	0.9	18.1	0.2	7.0	10.9
Putnam	10.5	...	...	0.3	4.0	6.1	47.8	...	0.4	1.1	19.3	26.9
Rhea	9.2	0.8	1.5	...	2.3	4.5	32.4	3.2	3.2	0.5	7.9	17.6
Roane	6.9	...	1.7	...	2.4	2.9	28.8	1.2	7.9	...	8.2	11.5
Robertson	3.5	...	...	...	1.5	2.0	17.2	...	...	...	6.8	10.3
Rutherford	2.6	...	...	0.8	0.4	1.4	6.6	...	...	0.7	1.0	4.9
Scott	16.9	0.9	1.1	0.2	4.0	10.7	73.4	5.0	8.7	1.2	11.7	46.9
Sequatchie	3.8	0.5	1.6	0.1	0.7	0.9	10.3	1.7	3.9	0.4	2.3	2.0
Sevier	4.8	...	0.7	0.3	1.9	1.9	22.9	...	8.9	1.6	4.3	8.1
Shelby	12.7	...	...	...	8.8	3.8	52.6	...	...	0.1	38.6	14.0
Smith	4.0	...	...	0.4	1.1	2.5	15.3	...	...	0.2	4.9	10.2
Stewart	8.0	...	...	...	2.9	5.1	31.4	...	...	-0.1	11.3	20.2
Sullivan	2.6	...	0.6	0.1	0.7	1.3	14.2	...	2.7	...	1.5	10.1
Sumner	3.2	...	...	0.2	1.4	1.6	15.4	...	...	0.5	5.8	9.2
Tipton	4.3	...	...	...	2.1	2.2	17.4	...	...	...	8.0	9.4
Trousdale	0.8	...	...	0.4	...	0.4	2.2	...	...	...	0.4	1.7
Unicoi	6.5	...	1.7	0.1	2.1	2.6	30.2	...	12.7	0.4	7.0	10.1
Union	3.2	...	-0.3	0.1	1.5	1.8	13.5	...	-0.2	1.0	4.6	8.1
Van Buren	6.7	0.3	1.5	0.2	2.1	2.6	18.5	0.2	2.7	1.1	6.9	7.6
Warren	4.1	...	...	-0.1	0.9	3.3	17.3	...	...	-0.3	5.2	12.4
Washington	2.2	...	0.3	0.1	0.9	0.8	14.5	...	2.0	1.0	3.7	7.9
Wayne	9.3	0.3	1.1	0.1	1.3	6.5	35.6	1.2	1.1	...	3.9	29.3
Weakley	3.6	0.6	0.1	...	-0.2	3.1	16.9	1.2	0.1	...	-0.2	15.7
White	11.1	2.0	0.1	0.1	3.5	5.4	39.3	2.1	0.3	0.3	12.2	24.4
Williamson	6.5	...	0.1	0.6	2.2	3.6	25.8	...	0.4	1.0	10.2	14.3
Wilson	1.9	...	...	0.4	0.2	1.2	6.6	...	...	1.5	1.3	3.8
All counties	637.4	24.6	60.7	14.5	189.1	348.5	2545.0	78.9	258.4	43.1	722.7	1441.8

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 19—Average net annual removals of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood			All species	Softwood			Hardwood
		Pine	Planted	Natural	Other	Soft ¹	Hard ²		Pine	Planted	Natural	Other
<i>- - - - - Million cubic feet - - - - -</i>												<i>- - - - - Million board feet - - - - -</i>
Anderson	2.5	...	0.2	0.1	0.9	1.3	5.7	...	0.9	...	2.5	2.3
Bedford	0.4	...	...	0.1	0.1	0.3	1.2	...	...	...	0.4	0.7
Benton	1.9	0.1	0.6	...	...	1.2	6.3	0.4	0.9	...	...	5.0
Bledsoe	0.5	...	0.3	...	...	0.2	1.0	...	0.6	...	...	0.4
Blount	1.8	...	0.9	...	0.2	0.7	9.2	...	4.6	...	1.2	3.4
Bradley	8.0	...	6.3	...	0.5	1.1	17.6	...	15.1	...	0.5	2.1
Campbell	2.5	...	0.2	...	0.7	1.6	10.4	...	0.9	...	3.3	6.2
Cannon	1.5	...	...	...	1.1	0.5	6.8	...	...	...	5.0	1.8
Carroll	0.6	...	0.1	...	...	0.4	2.0	...	0.2	...	...	1.8
Carter	3.4	...	0.1	...	0.8	2.5	12.4	...	...	...	2.1	10.3
Cheatham	2.1	...	...	...	0.2	1.8	7.6	...	0.2	...	0.6	6.8
Chester	0.2	0.2	...	...	...	0.1	0.9	0.7	...	...	...	0.2
Claiborne	2.5	...	0.5	...	1.3	0.7	11.3	...	1.6	...	6.3	3.5
Clay	2.3	...	...	...	0.1	2.2	9.9	...	...	...	0.6	9.3
Cocke	3.2	...	1.7	0.1	0.5	0.9	16.2	...	10.0	...	2.3	3.9
Coffee	2.5	...	...	...	0.4	2.1	11.5	...	...	...	1.7	9.8
Crockett	0.3	...	...	...	...	0.3	1.6	...	...	...	...	1.6
Cumberland	5.7	0.5	0.9	...	0.7	3.5	21.2	0.6	4.0	...	2.9	13.6
Davidson	2.3	...	...	0.1	0.2	2.0	9.6	...	...	0.3	0.3	8.9
Decatur	2.9	...	...	...	0.6	2.3	12.8	...	...	...	2.3	10.5
De Kalb	0.3	...	...	...	0.2	0.2	2.1	...	...	...	1.1	1.0
Dickson	1.5	...	...	...	0.2	1.4	6.8	...	...	...	0.8	6.0
Dyer	0.8	...	...	...	0.4	0.4	2.8	...	...	...	1.5	1.3
Fayette	0.9	...	...	...	...	0.8	2.7	...	...	...	...	2.7
Fentress	3.4	...	1.6	0.1	0.5	1.2	13.4	...	5.7	0.4	1.3	6.0
Franklin	5.5	...	...	0.2	0.2	5.2	27.0	...	...	0.5	1.4	25.1
Gibson	1.4	...	...	...	0.2	1.1	6.2	...	...	...	0.5	5.6
Giles	3.1	...	0.1	...	1.0	2.0	10.9	...	0.3	...	3.3	7.2
Grainger	0.3	...	...	0.1	...	0.2	1.8	...	...	0.4	...	1.4
Greene	1.9	...	...	...	0.9	1.0	10.2	...	...	...	6.1	4.1
Grundy	5.2	...	1.0	...	0.4	3.7	15.7	...	2.3	...	1.6	11.8
Hamblen	...	...	...	...	...	...	...	...	...	...	...	...
Hamilton	2.2	1.6	0.4	...	...	0.2	5.9	4.4	1.1	...	...	0.4
Hancock	2.5	...	...	...	2.1	0.4	12.9	...	...	...	12.9	...
Hardeman	4.6	...	0.1	0.2	1.9	2.4	16.9	...	0.3	1.1	7.1	8.4
Hardin	6.1	1.7	1.6	...	0.5	2.3	26.5	4.7	9.3	...	2.0	10.6
Hawkins	0.4	...	...	...	0.4	...	2.1	...	...	...	2.1	...
Haywood	1.3	...	...	...	0.2	1.1	5.0	...	...	...	1.2	3.8
Henderson	3.4	...	...	0.1	1.6	1.7	12.3	...	...	...	4.6	7.7
Henry	1.6	...	...	...	0.9	0.7	5.4	...	...	...	2.1	3.3
Hickman	5.5	...	...	0.1	0.9	4.5	22.2	...	...	0.3	2.8	19.1
Houston	...	...	...	...	...	...	...	...	...	...	...	...
Humphreys	3.2	...	...	0.1	0.4	2.8	12.8	...	...	...	1.6	11.3
Jackson	0.7	...	...	...	...	0.7	4.0	...	...	...	...	4.0
Jefferson	0.6	...	...	0.4	0.2	...	1.8	...	...	1.0	0.8	...
Johnson	0.4	...	...	...	0.2	0.2	1.9	...	...	...	0.6	1.2
Knox	2.1	...	0.8	...	...	1.3	8.2	...	2.4	...	...	5.8
Lake	2.1	...	...	...	1.9	0.2	9.8	...	...	...	9.2	0.7

Table 19—Average net annual removals of growing stock and sawtimber on timberland by county and species group, Tennessee Counties, 1989 - Continued

County	Growing stock						Sawtimber					
	All species	Softwood			Hardwood			All species	Softwood			Hardwood
		Pine		Other	Soft ¹	Hard ²	Pine		Other	Soft ¹		
		Planted	Natural	Other	Soft ¹	Hard ²	Planted		Natural	Other	Hard ²	
<i>Million cubic feet</i>						<i>Million board feet</i>						
Lauderdale	0.3	...	...	...	0.3	...	1.0	...	...	...	...	1.0
Lawrence	5.4	...	0.5	...	1.3	3.5	21.1	...	1.1	...	6.9	13.1
Lewis	3.5	...	0.1	...	0.1	3.2	8.3	...	0.5	...	0.5	7.3
Lincoln	0.7	...	...	0.2	0.2	0.3	2.0	...	...	0.2	0.6	1.3
Loudon	1.1	...	0.2	0.2	0.1	0.6	3.5	...	0.7	0.4	0.3	2.2
McMinn	1.8	0.9	0.9	...	...	...	5.3	2.1	3.2	...	...	...
McNairy	6.1	0.8	1.8	0.1	1.1	2.3	23.5	...	7.8	0.4	4.7	10.6
Macor	0.4	...	...	...	0.1	0.3	1.3	...	...	...	0.6	0.7
Madison	1.6	...	...	...	0.5	1.2	7.5	...	...	...	2.2	5.3
Marion	4.0	...	0.6	...	0.4	2.9	15.6	...	...	...	1.5	14.1
Marshall	1.1	...	...	0.2	0.2	0.6	4.5	...	...	0.3	0.8	3.4
Maury	2.4	...	...	...	0.7	1.7	10.0	...	...	...	2.3	7.7
Meigs	0.2	...	...	...	...	0.2	...	...	...	...	...	...
Monroe	7.4	1.5	3.4	0.5	0.1	2.0	22.5	4.3	11.2	2.1	...	4.9
Montgomery	1.5	...	...	...	0.1	1.4	7.1	...	...	...	0.4	6.7
Moore	...	...	...	...	...	...	...	...	...	...	...	...
Morgan	3.4	...	0.4	...	1.7	1.3	10.7	...	1.7	...	4.5	4.6
Obion	3.2	...	...	...	0.2	3.1	15.2	...	...	...	0.5	14.7
Overton	1.5	...	...	...	0.2	1.3	6.4	...	...	...	...	6.4
Perry	4.9	...	...	...	0.8	4.1	20.8	...	...	...	3.4	17.4
Pickett	0.2	...	0.2	...	...	...	0.4	...	0.4	...	...	...
Polk	6.1	2.2	3.2	...	0.3	0.4	20.8	3.5	15.8	...	0.8	0.7
Putnam	3.1	...	...	...	1.2	1.9	14.2	...	...	...	6.1	8.2
Rhea	1.7	...	0.2	...	0.2	1.3	4.7	...	0.8	...	0.5	3.3
Roane	1.5	0.3	1.2	...	...	...	4.7	0.6	4.1	...	...	...
Robertson	2.0	...	...	...	0.1	1.8	9.0	...	...	...	0.4	8.6
Rutherford	0.3	...	...	...	...	0.2	0.7	...	...	...	...	0.7
Scott	5.3	...	2.3	0.1	1.4	1.6	20.4	...	9.2	0.4	5.0	5.8
Sequatchie	0.6	...	0.1	...	...	0.4	1.1	...	...	...	...	1.1
Sevier	0.2	...	0.1	...	...	0.1	0.8	...	0.4	...	...	0.4
Shelby	...	...	...	...	...	...	...	...	...	...	...	...
Smith	0.9	...	...	...	...	0.8	2.1	...	...	...	...	...
Stewart	4.4	...	...	...	1.0	3.5	22.2	...	...	...	4.2	18.0
Sullivan	0.1	...	...	...	...	0.1	0.3	...	...	...	...	0.3
Sumner	1.7	...	...	...	0.7	1.0	5.5	...	...	...	1.3	4.2
Tipton	0.8	...	...	...	...	0.8	4.6	...	...	...	...	4.6
Trousdale	0.1	...	...	...	0.1	0.1	0.4	...	...	...	0.4	...
Unicoi	3.0	...	0.1	...	0.9	2.0	8.0	...	...	...	3.4	4.6
Union	0.1	...	...	...	0.1	...	...	...	...	...	...	...
Van Buren	1.9	...	0.4	...	0.4	1.1	8.1	...	0.9	...	1.8	5.4
Warren	2.2	...	...	...	0.6	1.5	9.4	...	...	...	3.5	5.9
Washington	...	...	...	...	...	...	...	...	...	...	...	...
Wayne	13.5	3.0	0.7	...	0.8	9.1	38.9	7.2	2.2	...	2.6	26.9
Weakley	5.2	2.7	...	...	1.2	1.4	17.3	5.0	...	...	4.9	7.5
White	3.8	...	0.1	...	1.1	2.6	18.1	...	...	...	6.2	11.9
Williamson	1.0	...	...	0.1	0.2	0.7	3.2	...	...	0.6	0.3	2.2
Wilson	1.5	...	...	0.3	0.6	0.6	5.7	...	...	0.7	2.6	2.4
All counties	219.4	15.3	33.8	3.1	42.3	124.9	829.4	33.4	120.3	9.1	171.0	495.6

¹ Hardwood species with an average specific gravity of 0.50 or less such as gums; yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

² Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 20—Average net annual growth and average annual removals of growing stock on timberland by species, Tennessee Counties, 1989

Species	Growth	Removals
----- Million cubic feet -----		
Yellow pines	75.4	47.7
Eastern white-red pines	9.9	1.4
Other softwoods	14.5	3.1
Total softwoods	99.8	52.2
Select white-red oaks	108.9	42.1
Other white-red oaks	126.3	47.2
Hickory	45.5	20.6
Yellow birch	0.2	0.9
Hard maple	26.1	4.2
Sweetgum	28.7	5.4
Ash-walnut-black cherry	25.2	5.2
Yellow-poplar	82.7	20.9
Other hardwoods	94.0	20.7
Total hardwoods	537.6	167.2
All species	637.4	219.4

Table 21—Average net annual growth and average annual removals of sawtimber on timberland by species, Tennessee Counties, 1989

Species	Growth	Removals
----- Million board feet -----		
Yellow pines	286.8	146.8
Eastern white-red pines	50.5	6.9
Other softwoods	43.1	9.1
Total softwoods	380.5	162.8
Select white-red oaks	475.4	179.4
Other white-red oaks	540.1	186.7
Hickory	171.1	78.9
Yellow birch	0.4	3.3
Hard maple	89.9	18.3
Sweetgum	108.4	20.7
Ash-walnut-black cherry	83.9	18.0
Yellow-poplar	384.6	101.4
Other hardwoods	310.8	60.1
Total hardwoods	2164.6	666.6
All species	2545.0	829.4

Table 22—Average annual mortality of growing stock and sawtimber on timberland by species, Tennessee Counties, 1989

Species	Growing stock	Sawtimber
----- Million cubic feet ----- Million board feet -----		
Yellow pines	28.2	75.6
Eastern white-red pines	1.2	5.4
Other softwoods	3.4	6.4
Total softwoods	32.8	87.4
Select white-red oaks	16.4	44.3
Other white-red oaks	39.0	94.4
Hickory	15.6	35.9
Hard maple	1.2	1.7
Sweetgum	5.8	19.1
Ash-walnut-black cherry	4.0	6.4
Yellow-poplar	5.2	13.8
Other hardwoods	26.4	56.2
Total hardwoods	113.6	271.7
All species	146.3	359.1

Table 23—Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, Tennessee Counties, 1989

Ownership class	Growth						Removals						
	All species	Softwood			Hardwood			All species	Softwood			Hardwood	
		Pine							Pine				
		Planted	Natural	Other	Soft ¹	Hard ²			Planted	Natural	Other	Soft ¹	
----- Million cubic feet -----													
National forest	24.4	...	5.3	0.3	8.1	10.7	14.3	...	5.0	0.4	2.6	6.3	
Other public	36.4	0.9	2.7	1.3	10.4	21.2	4.5	0.3	0.3	0.1	1.3	2.5	
Forest industry	52.5	12.9	6.6	1.2	8.5	23.1	28.9	3.6	4.1	0.2	3.4	17.6	
Forest industry-leased	2.8	0.2	...	...	0.8	1.8	0.5	...	...	...	0.1	0.5
Other private	521.2	10.5	46.0	11.7	161.3	291.8	171.2	11.4	24.4	2.4	35.0	98.0	
All ownerships	637.4	24.6	60.7	14.5	189.1	348.5	219.4	15.3	33.8	3.1	42.3	124.9	

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 24—Average net annual growth and average annual removals of sawtimber on timberland by ownership class and species group, Tennessee Counties, 1989

Ownership class	Growth						Removals						
	All species	Softwood			Hardwood			All species	Softwood			Hardwood	
		Pine							Pine				
		Planted	Natural	Other	Soft ¹	Hard ²			Planted	Natural	Other	Soft ¹	
----- Million board feet -----													
National forest	120.4	...	32.1	1.0	32.6	54.6	51.9	...	20.1	2.1	10.2	19.5	
Other public	154.6	1.8	12.6	4.9	41.5	93.8	16.2	0.6	1.4	0.4	3.5	10.3	
Forest industry	151.6	19.9	15.1	5.6	26.1	85.0	87.3	7.1	13.3	1.2	10.9	54.9	
Forest industry-leased	11.6	0.8	...	...	2.4	8.3	2.6	...	...	...	0.3	2.4
Other private	2106.8	56.4	198.6	31.6	620.1	1200.0	671.4	25.7	85.6	5.3	146.2	408.6	
All ownerships	2545.0	78.9	258.4	43.1	722.7	1441.8	829.4	33.4	120.3	9.1	171.0	495.6	

¹Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwood, red maple, basswood, aspen, and willow.

²Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maple, hickories, and green and white ash.

Table 25—Volume of sawtimber on timberland by species and tree grade, Tennessee Counties, 1989

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
<i>Million board feet</i>						
Yellow pines	7055.1	735.3	777.7	5428.4	...	113.6
Cypress	414.0	97.0	108.2	204.9	...	4.0
Redcedar	369.2	337.1	...	...	...	32.1
Other softwoods	1777.0	219.8	463.4	1017.0	19.2	57.7
Total softwoods	9615.4	1389.2	1349.3	6650.3	19.2	207.4
Select white-red oaks	9964.1	1073.0	2204.3	4337.4	1845.6	503.7
Other white-red oaks	12044.3	988.2	2091.6	5413.1	2811.3	740.1
Hickory	4545.2	271.2	831.9	2223.6	939.9	278.7
Yellow birch	10.8	...	...	7.0	3.8	...
Hard maple	1360.5	42.6	167.1	636.1	401.2	113.6
Sweetgum	1787.9	172.5	356.1	849.8	282.5	127.1
Tupelo and blackgum	723.1	60.0	103.8	307.5	145.9	105.9
Ash-walnut-black cherry	1677.6	183.5	430.7	702.6	207.5	153.4
Yellow-poplar	6687.0	999.2	1395.6	2642.7	1339.9	309.6
Other hardwoods	5197.8	386.7	606.4	1810.5	1678.4	715.7
Total hardwoods	43998.2	4176.9	8187.4	18930.3	9655.9	3047.7
All species	53613.6	5566.1	9536.8	25580.5	9675.0	3255.1

Supplemental Tables 26-47**Table 26—Area of timberland by stand age, forest type group and type of regeneration, Tennessee Counties, 1989**

Stand age class	Pine		Oak-pine		Other hardwood types	
	Artificial	Natural	Artificial	Natural	Artificial	Natural
<i>Thousand acres</i>						
1-10	87.1	24.7	28.6	41.4	35.9	132.2
11-20	77.5	30.3	22.4	10.7	6.7	41.7
21-30	57.0	10.7	9.5	...	5.8	22.0
31-40	57.3	23.1	...	...	5.9	...
41-50	8.6	5.8	5.9	...	...	...
> 50	6.2	3.6	5.8	...	...	6.1
Mixed	63.3	942.6	28.3	1438.9	6.6	10007.3
Total	357.0	1040.7	100.5	1491.0	60.9	10209.3

Table 27—Volume of softwood growing stock on timberland by county and forest type group, Tennessee Counties, 1989

County	Total	White-red jack pine	Forest type group						
			Loblolly-shortleaf ¹ pine		Oak-pine ²	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Maple-beech-birch
			Planted	Natural					
<i>Million cubic feet</i>									
Anderson	39.4	...	...	16.9	8.9	13.6	...	...	...
Bedford	4.4	...	...	3.5	0.5	...	0.4	...	...
Benton	14.5	...	12.0	...	2.0	0.4	...	...	...
Bledsoe	70.0	...	19.2	28.3	12.6	9.9	...	...	...
Blount	41.7	6.1	6.8	7.7	15.7	5.4	...	...	...
Bradley	52.2	...	...	48.2	...	4.0	...	...	...
Campbell	56.4	...	...	25.1	21.9	9.3	...	...	...
Cannon	9.1	...	...	2.8	5.5	0.8	...	...	...
Carroll	18.7	...	7.1	...	5.7	5.9	...	...	...
Carter	42.0	...	...	4.1	20.1	16.8	...	...	1.0
Cheatam	5.2	...	...	...	...	5.2	...	...	...
Chester	30.6	...	9.5	2.0	16.4	2.8	...	...	...
Claiborne	11.5	...	...	2.2	5.9	3.4	...	...	...
Clay	3.4	...	...	...	1.2	2.3	...	...	...
Cocke	47.6	...	...	19.2	14.5	13.9	...	...	...
Coffee	...	...	...	...	...	...	...	...	...
Crockett	...	...	...	...	...	...	...	...	...
Cumberland	123.1	8.9	9.5	38.1	36.9	29.7	...	...	...
Davidson	4.4	...	...	...	1.3	3.1	...	...	...
Decatur	24.7	...	17.8	...	3.3	3.6	...	...	...
De Kalb	13.6	...	...	5.3	8.0	0.3	...	...	...
Dickson	1.2	...	...	...	1.2	...	...	...	...
Dyer	...	...	...	...	...	...	...	...	...
Fayette	20.7	...	...	14.3	2.7	3.7	...	...	...
Fentress	128.4	...	10.5	48.9	35.3	33.7	...	...	...
Franklin	4.4	...	...	...	2.5	1.9	...	...	...
Gibson	...	...	...	...	...	...	...	...	...
Giles	5.1	3.5	...	0.2	...	1.4	...	...	...
Grainger	18.2	...	...	...	8.4	9.8	...	...	...
Greene	41.6	...	...	20.3	14.1	7.2	...	...	...
Grundy	31.9	...	...	21.3	2.4	8.1	...	...	...
Hamblen	21.1	...	...	17.1	3.6	0.5	...	...	...
Hamilton	92.0	...	14.0	29.5	31.0	17.5	...	...	...
Hancock	3.6	...	...	...	2.2	1.5	...	...	...
Hardeman	58.6	...	26.7	15.4	7.6	6.9	2.1	...	...
Hardin	66.0	...	21.9	14.7	20.6	7.8	1.0	...	...
Hawkins	27.8	...	...	9.4	13.9	4.5	...	...	...
Haywood	...	...	...	...	...	...	...	...	...
Henderson	39.5	...	26.9	10.7	1.3	0.3	0.2	...	...
Henry	2.9	...	2.2	...	...	0.6	...	...	...
Hickman	13.7	...	8.9	...	...	4.8	...	...	...
Houston	0.5	...	...	...	...	0.5	...	...	...
Humphreys	3.5	...	...	...	...	3.5	...	...	...
Jackson	10.2	...	...	...	9.1	1.1	...	...	...
Jefferson	15.5	...	12.9	...	0.8	1.8	...	...	...
Johnson	30.2	...	...	...	13.7	16.1	...	...	0.4
Knox	39.7	...	...	10.3	21.9	7.5	...	...	...
Lake	38.8	...	...	...	...	...	38.8	...	...
Lauderdale	20.0	...	...	...	...	...	16.6	3.4	...
Lawrence	...	...	...	...	...	...	...	...	...
Lewis	1.6	...	...	...	...	1.6	...	...	...
Lincoln	9.7	...	...	7.1	1.1	1.6	...	...	...
Loudon	43.3	...	17.1	19.1	7.0	...	...	...	...
McMinn	107.9	...	32.6	58.7	11.3	5.4	...	...	...
McNairy	78.5	...	3.8	54.7	15.7	3.7	0.6	...	...
Macon	0.3	...	...	...	...	0.3	...	...	...
Madison	8.1	...	...	3.2	2.3	1.8	0.8	...	...
Marion	41.1	...	0.9	...	18.4	21.8	...	...	...
Marshall	5.9	...	...	2.4	1.5	2.0	...	...	...
Maury	0.5	...	...	0.3	...	0.2	...	...	...
Meigs	55.5	...	32.0	...	15.2	8.2	...	...	...
Monroe	201.5	11.1	...	105.4	53.7	30.9	...	...	0.4
Montgomery	8.4	...	...	...	4.8	3.6	...	...	...
Moore	2.7	...	...	...	...	2.7	...	...	...
Morgan	89.5	...	1.2	...	57.1	31.2	...	...	...
Obion	12.9	...	...	...	...	...	12.9	...	...
Overton	31.5	...	...	15.4	9.5	6.6	...	...	...

Table 27—Volume of softwood growing stock on timberland by county and forest type group, Tennessee Counties, 1989 - Continued

County	Total	Forest type group							
		White-red jack pine		Loblolly-shortleaf pine ¹		Oak-pine ²	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
		Planted	Natural						
<i>- Million cubic feet -</i>									
Perry	7.4	...	...	2.9	0.4	4.2	...	...	...
Pickett	7.0	...	...	...	...	7.0	...	...	...
Polk	197.9	34.0	...	117.6	34.2	10.4	...	...	1.7
Putnam	18.9	...	...	...	12.6	6.2	...	...	...
Rhea	44.1	...	11.4	2.2	26.0	4.6	...	...	...
Roane	46.1	...	8.3	11.8	16.6	9.2	...	...	...
Robertson	0.4	...	...	...	...	0.4	...	...	...
Rutherford	11.7	...	...	7.3	3.8	0.7	...	...	...
Scott	107.1	16.9	...	18.4	35.2	36.6	...	...	...
Sequatchie	54.1	6.0	2.1	30.9	...	15.0	...	...	...
Sevier	69.1	...	...	14.4	45.8	8.9	...	...	...
Shelby	1.7	...	...	...	...	0.4	1.3	...	...
Smith	4.2	...	...	...	1.4	2.8	...	...	...
Stewart	6.2	...	...	5.4	...	0.8	...	...	...
Sullivan	33.2	13.2	...	5.7	9.6	4.7	...	...	...
Sumner	3.6	...	...	3.6	...	...	...	...	...
Tipton	...	...	...	...	...	...	...	...	...
Trousdale	4.8	...	...	...	3.1	1.7	...	...	...
Unicoi	46.5	13.1	...	...	18.8	14.6	...	...	...
Union	23.2	...	...	2.0	17.3	4.0	...	...	...
Van Buren	42.2	7.8	2.7	18.4	7.4	5.9	...	...	...
Warren	...	...	...	...	...	...	...	...	...
Washington	20.3	...	...	...	8.6	11.7	...	...	...
Wayne	23.0	...	5.1	6.9	3.2	7.9	...	...	...
Weakley	20.8	...	16.0	...	...	0.9	3.8	...	...
White	26.0	...	21.4	...	3.4	1.2	...	...	...
Williamson	14.6	...	...	6.4	6.0	2.2	...	...	...
Wilson	14.7	...	...	3.2	10.4	1.0	...	...	...
All counties	2895.3	120.6	360.5	938.8	834.2	555.6	78.6	3.4	3.5

¹Includes redcedar forest type.²Includes redcedar-hardwood type.

Table 28—Volume of hardwood growing stock on timberland by forest type, Tennessee Counties, 1989

County	Total	Forest type group							
		White-red jack pine		Loblolly-shortleaf pine ¹		Oak-pine ²	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood
		Planted	Natural						
<i>- Million cubic feet -</i>									
Anderson	159.8	...	...	4.2	5.0	143.0	...	...	7.6
Bedford	46.4	...	...	1.9	0.2	39.1	5.2	...	...
Benton	161.4	...	0.4	...	1.9	157.5	1.6	...	...
Bledsoe	117.6	...	0.8	2.9	14.8	99.1	...	...	...
Blount	69.2	3.0	0.5	0.8	15.4	49.6	...	...	...
Bradley	61.7	...	...	8.2	0.3	53.1	...	...	...
Campbell	297.6	...	...	5.9	14.9	276.9	...	...	...
Cannon	83.1	...	...	2.0	9.1	72.0	...	...	...
Carroll	233.7	...	1.1	...	6.8	170.9	54.9	...	...
Carter	235.6	...	...	1.0	12.7	208.2	...	...	13.7
Cheatham	140.5	...	...	...	...	140.5	...	...	...
Chester	73.4	...	0.8	0.4	17.5	50.4	3.9	0.3	...
Claiborne	184.8	...	...	0.6	6.5	158.2	...	...	19.4
Clay	85.2	...	...	...	2.7	82.5	...	...	...
Cocke	190.4	...	...	6.2	18.0	158.0	8.2	...	...
Coffee	154.3	...	...	...	...	147.1	7.3	...	...
Crockett	33.0	...	...	...	...	33.0	...	...	...
Cumberland	295.2	5.0	0.5	5.2	39.7	244.9	...	...	...
Davidson	110.0	...	...	...	4.1	105.9	...	...	...
Decatur	181.8	...	6.7	...	4.5	161.4	9.2	...	...
De Kalb	153.2	...	...	1.6	10.8	124.3	16.5	...	...
Dickson	215.6	...	...	...	3.6	212.1	...	...	...
Dyer	51.5	...	...	...	...	16.1	35.4	...	...
Fayette	180.9	...	...	6.8	7.8	138.6	27.8	...	...

Table 28—Volume of hardwood growing stock on timberland by forest type, Tennessee Counties, 1989 - Continued

County	Total	White-red jack pine	Forest type group						
			Loblolly-shortleaf pine ¹		Oak- pine ²	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood	Maple- beech- birch
			Planted	Natural					
<i>Million cubic feet-</i>									
Fentress	235.1	...	...	7.5	39.9	187.7	...	...	...
Franklin	171.4	...	...	...	3.0	168.4	...	...	...
Gibson	47.0	...	...	...	...	47.0	...	...	...
Giles	146.3	2.6	...	...	...	141.5	2.2	...	...
Grainger	138.0	...	...	...	10.2	127.8	...	...	...
Greene	205.2	...	...	8.6	16.3	162.2	...	...	18.1
Grundy	162.5	...	...	4.7	6.3	151.5	...	...	...
Hamblen	49.2	...	...	2.6	7.6	39.0	...	...	...
Hamilton	156.8	...	5.0	5.6	17.0	128.7	0.5	...	...
Hancock	61.6	...	...	...	2.1	53.5	...	...	6.0
Hardeman	239.1	...	1.4	2.1	11.6	176.9	47.1	...	...
Hardin	192.4	...	2.2	4.6	21.9	115.4	48.2	...	...
Hawkins	164.1	...	...	...	17.6	136.5	...	...	10.0
Haywood	122.5	...	...	...	...	9.7	112.8	...	...
Henderson	175.0	...	3.5	10.0	3.8	115.8	41.9	...	...
Henry	228.2	...	0.6	...	...	160.0	67.5	...	...
Hickman	332.0	...	0.4	...	...	331.6	...	...	...
Houston	113.4	...	...	...	...	113.4	...	...	...
Humphreys	268.8	...	...	...	...	268.8	...	...	...
Jackson	156.4	...	...	...	11.1	145.2	...	...	...
Jefferson	82.7	...	7.3	...	2.0	73.4	...	...	...
Johnson	162.9	...	...	...	21.9	120.6	...	...	20.4
Knox	129.9	...	...	1.2	17.2	111.5	...	...	...
Lake	33.2	...	...	...	...	...	33.2	...	...
Lauderdale	114.2	...	...	...	...	33.3	50.7	30.2	...
Lawrence	173.3	...	...	...	...	162.0	11.3	...	...
Lewis	163.2	...	...	...	...	147.9	15.3	...	...
Lincoln	104.4	...	...	4.1	3.7	88.5	8.1	...	...
Loudon	54.2	...	...	2.3	7.4	44.1	...	...	0.5
McMinn	107.1	...	7.2	15.2	9.8	67.1	7.7	...	...
McNairy	154.7	...	0.3	10.6	20.9	98.2	24.7	...	...
Macon	104.9	...	...	...	...	104.9	...	...	...
Madison	201.1	...	...	0.7	8.8	115.6	76.0	...	...
Marion	224.3	...	...	...	18.3	202.1	3.9	...	...
Marshall	45.7	...	...	1.3	6.8	37.6	...	...	...
Maury	107.8	...	...	...	1.5	106.3	...	...	...
Meigs	71.1	...	3.7	...	17.3	50.1	...	...	...
Monroe	275.9	1.5	...	23.2	47.1	173.0	...	...	31.0
Montgomery	134.6	...	...	...	8.4	126.3	...	...	...
Moore	52.6	...	...	...	...	52.6	...	...	...
Morgan	279.2	...	...	...	59.5	219.7	...	...	...
Obion	128.5	...	...	...	...	71.1	57.4	...	...
Overton	259.9	...	...	2.2	12.7	245.0	...	...	...
Perry	240.5	...	...	1.8	2.2	232.0	4.5	...	...
Pickett	85.9	...	...	...	...	85.9	...	...	...
Polk	128.2	12.8	...	28.0	26.3	56.4	...	...	4.7
Putnam	183.9	...	...	0.3	7.6	176.0	...	...	...
Rhea	136.0	...	0.4	...	19.4	116.3	...	...	...

Table 28—Volume of hardwood growing stock on timberland by forest type, Tennessee Counties, 1989 - Continued

County	Total	Forest type group							
		White-red jack pine	Loblolly-shortleaf ¹ pine		Oak- pine ²	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood	Maple- beech- birch
			Planted	Natural					
<i>- Million cubic feet -</i>									
Roane	182.7	...	...	3.3	18.1	161.3	...	...	...
Robertson	65.9	...	...	...	...	65.9	...	...	...
Rutherford	40.6	...	...	3.4	11.8	25.4	...	...	...
Scott	383.1	4.0	...	6.8	25.0	347.2	...	...	...
Sequatchie	80.3	1.5	...	11.2	...	67.7	...	...	...
Sevier	114.4	...	...	3.4	35.0	76.1	...	...	...
Shelby	187.4	...	...	...	...	98.0	80.5	8.9	...
Smith	74.9	...	...	...	3.2	71.7	...	...	...
Stewart	230.1	...	...	3.7	...	226.4	...	...	...
Sullivan	126.8	5.0	...	0.6	14.7	106.6	...	...	...
Sumner	75.8	...	...	1.1	...	74.6	...	...	...
Tipton	76.6	...	...	...	...	57.8	7.5	11.2	...
Trousdale	20.6	...	...	...	4.1	16.5	...	...	...
Unicoi	123.7	3.1	...	...	15.4	105.3	...	...	...
Union	100.0	...	...	2.2	15.5	66.4	...	...	15.9
Van Buren	107.5	4.9	0.2	2.3	4.3	95.8	...	...	...
Warren	111.6	...	...	...	0.5	103.1	8.0	...	...
Washington	76.1	...	...	...	6.7	69.5	...	...	...
Wayne	311.0	...	...	2.8	5.5	298.6	4.1	...	...
Weakley	118.9	...	0.9	...	...	45.9	72.1	...	...
White	172.3	...	1.8	...	4.1	162.4	4.0	...	...
Williamson	149.1	...	...	1.6	6.8	132.7	8.0	...	...
Wilson	36.7	...	...	1.4	19.1	16.2	...	...	...
All counties	13787.4	43.2	45.5	228.0	873.3	11431.7	967.7	50.6	147.3

¹Includes redcedar forest type.

²Includes redcedar-hardwood forest type.

Table 29—Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Tennessee Counties, 1989

County	Total	Forest type group							
		White-red jack pine	Loblolly-shortleaf ¹ pine		Oak- pine ²	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood	Maple- beech- birch
			Planted	Natural					
<i>- Million cubic feet -</i>									
Anderson	28.4	...	...	11.7	7.2	9.5	...	...	...
Bedford	0.9	...	...	0.5	0.4	...	...	...	...
Benton	2.7	...	2.2	...	0.3	0.2	...	...	...
Bledsoe	33.3	...	2.6	14.9	10.3	5.4	...	...	...
Blount	26.9	5.0	4.2	4.5	9.7	3.5	...	...	...
Bradley	34.1	...	...	30.6	...	3.5	...	...	...
Campbell	33.2	...	...	15.0	12.4	5.8	...	...	...
Cannon	1.9	...	...	1.0	0.8	...	...	...	...
Carroll	13.5	...	5.5	...	4.4	3.6	...	...	...
Carter	29.6	...	...	1.1	14.9	13.1	...	...	0.4
Cheatham	2.6	...	...	...	...	2.6	...	...	...
Chester	20.7	...	6.7	0.8	11.2	2.0	...	...	...
Claiborne	6.4	...	...	0.4	3.4	2.7	...	...	...
Clay	1.4	...	...	...	...	1.4	...	...	...
Cooke	31.2	...	...	12.0	10.1	9.1	...	...	...
Crockett	...	...	...	...	...	...	...	...	...
Cumberland	74.4	6.4	0.4	22.7	24.7	20.3	...	...	...
Davidson	1.4	...	...	...	0.3	1.0	...	...	...
Decatur	16.1	...	12.3	...	1.9	1.9	...	...	...
De Kalb	4.5	...	...	2.2	2.3	...	...	...	...
Dickson	...	...	...	...	...	...	...	...	...
Dyer	...	...	...	...	...	...	...	...	...
Fayette	8.5	...	...	5.8	0.9	1.8	...	...	...

Table 29—Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Tennessee Counties, 1989 - Continued

County	Total	White-red jack pine	Forest type group						
			Loblolly-shortleaf pine ¹		Oak ² - pine	Oak- hickory	Oak-gum- cypress	Elm-ash- cottonwood	Maple- beech- birch
			Planted	Natural					
<i>- Million cubic feet -</i>									
Fentress	67.9	...	2.9	19.7	23.8	21.5	...	...	...
Franklin	1.3	...	...	...	0.6	0.6	...	...	...
Gibson	...	...	...	...	...	...	...	...	...
Giles	2.8	2.1	...	...	...	0.8	...	...	...
Grainger	10.0	...	...	...	3.6	6.3	...	...	...
Greene	22.7	...	...	9.0	9.3	4.5	...	...	...
Grundy	12.1	...	...	7.5	0.7	3.9	...	...	...
Hamblen	12.6	...	...	11.0	1.6	...	...	...	...
Hamilton	64.6	...	11.1	18.7	21.3	13.4	...	...	...
Hancock	1.7	...	...	...	0.2	1.5	...	...	...
Hardeman	35.0	...	17.6	9.8	2.6	3.7	1.3	...	...
Hardin	28.7	...	5.9	9.7	9.1	3.3	0.7	...	...
Hawkins	13.9	...	...	2.7	8.6	2.6	...	...	...
Haywood	...	...	...	...	...	...	...	...	...
Henderson	20.5	...	14.4	5.2	0.9	...	...	...	...
Henry	1.8	...	1.8	...	...	...	...	...	...
Hickman	7.4	...	6.2	...	...	1.2	...	...	...
Houston	0.3	...	...	...	...	0.3	...	...	...
Humphreys	2.4	...	...	...	...	2.4	...	...	...
Jackson	3.9	...	...	...	3.4	0.5	...	...	...
Jefferson	9.2	...	8.1	...	0.3	0.8	...	...	...
Johnson	22.7	...	...	...	10.5	12.2	...	...	...
Knox	20.0	...	...	4.6	10.7	4.7	...	...	...
Lake	37.3	...	...	...	...	...	37.3	...	...
Lauderdale	17.9	...	...	...	...	...	14.6	3.4	...
Lawrence	...	...	...	...	...	...	...	...	...
Lewis	0.7	...	...	...	...	0.7	...	...	...
Lincoln	1.0	...	...	1.0	...	...	...	...	...
Loudon	25.6	...	11.4	9.2	4.9	...	...	...	...
McMinn	51.8	...	13.3	25.3	9.6	3.6	...	...	...
McNairy	41.0	...	0.3	32.0	6.4	1.8	0.6	...	...
Macon	...	...	...	...	...	...	...	...	...
Madison	4.0	...	...	2.2	0.3	1.0	0.5	...	...
Marion	27.2	...	...	...	12.4	14.8	...	...	...
Marshall	1.4	...	...	0.9	0.2	0.2	...	...	...
Maury	...	...	...	...	...	...	...	...	...
Meigs	29.5	...	13.9	...	9.6	6.0	...	...	...
Monroe	118.4	7.7	...	56.7	30.9	22.8	...	...	0.2
Montgomery	3.6	...	...	...	1.9	1.6	...	...	...
Moore	1.3	...	...	...	...	1.3	...	...	...
Morgan	59.3	...	...	...	34.9	24.4	...	...	...
Obion	11.7	...	...	...	...	...	11.7	...	...
Overton	23.3	...	...	13.0	6.0	4.3	...	...	...
Perry	2.6	...	...	1.0	...	1.6	...	...	...
Pickett	4.1	...	...	...	...	4.1	...	...	...
Polk	126.5	27.3	...	67.7	22.7	7.3	...	...	1.4
Putnam	13.9	...	...	...	9.2	4.6	...	...	...
Rhea	19.2	...	3.3	0.8	12.3	2.8	...	...	...

Table 29—Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by forest type, Tennessee Counties, 1989 - Continued

County	Total	Forest type group							
		Loblolly-shortleaf ¹ pine		Oak ² -pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Maple-beech-birch	
		Planted	Natural						
<i>Million cubic feet</i>									
Roane	33.4	...	7.3	7.9	12.2	6.1	...	...	...
Robertson	0.4	...	...	...	...	0.4	...	...	...
Rutherford	1.2	...	...	0.5	0.6	0.1	...	...	...
Scott	68.7	11.5	...	10.4	21.2	25.6	...	...	...
Sequatchie	30.1	4.6	0.3	15.4	...	9.8	...	...	...
Sevier	43.2	...	...	7.7	29.3	6.3	...	...	...
Shelby	1.5	...	...	...	...	0.4	1.1	...	...
Smith	0.3	...	...	...	...	0.3	...	...	...
Stewart	4.3	...	...	3.9	...	0.4	...	...	...
Sullivan	22.5	10.6	...	3.8	5.8	2.3	...	...	...
Sumner	0.9	...	...	0.9	...	...	...	...	...
Tipton	...	...	...	...	...	...	...	...	...
Trousdale	0.3	...	...	...	0.3	...	...	...	...
Unicoi	36.6	12.2	...	...	13.7	10.7	...	...	...
Union	12.6	...	...	0.7	9.6	2.4	...	...	...
Van Buren	17.8	6.8	0.4	6.7	1.6	2.3	...	...	...
Warren	...	...	...	...	...	...	...	...	...
Washington	15.5	...	...	...	5.4	10.0	...	...	...
Wayne	7.4	...	...	4.1	0.4	2.9	...	...	...
Weakley	13.4	...	9.6	...	...	0.5	3.3	...	...
White	7.0	...	4.3	...	2.0	0.7	...	...	...
Williamson	5.0	...	...	2.0	1.8	1.2	...	...	...
Wilson	4.6	...	...	0.2	4.4	...	...	...	...
All counties	1681.0	94.0	166.0	495.1	492.1	357.1	71.2	3.4	2.1

¹Includes redcedar forest type.

²Includes redcedar-hardwood forest type.

Table 30—Volume of hardwood growing stock in the saw-log portion of sawtimber trees on timberland by type group, Tennessee Counties, 1989

County	Total	White-red jack pine	Forest type group						
			Loblolly-shortleaf ¹ pine		Oak ² -pine	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Maple-beech-birch
			Planted	Natural					
<i>Million cubic feet</i>									
Anderson	101.6	...	...	1.4	3.6	93.4	...	...	3.1
Bedford	23.3	...	...	1.4	...	18.3	3.7	...	...
Benton	75.2	...	...	...	0.4	74.8	...	...	...
Bledsoe	48.3	...	...	0.8	5.5	42.1	...	...	...
Blount	37.5	1.7	0.2	...	7.2	28.5	...	...	...
Bradley	39.7	...	...	2.4	0.3	36.9	...	...	...
Campbell	186.7	...	...	2.6	8.4	175.6	...	...	...
Cannon	39.4	...	...	0.7	1.1	37.6	...	...	...
Carroll	121.2	...	0.8	...	4.8	90.8	24.8	...	...
Carter	131.5	...	...	0.3	4.2	124.0	...	...	2.9
Cheatam	72.6	...	...	...	...	72.6	...	...	...
Chester	33.2	...	0.5	0.4	8.6	22.1	1.6	...	...
Claiborne	99.7	...	...	0.5	1.1	87.0	...	...	11.2
Clay	34.6	...	...	...	1.3	33.3	...	...	...
Cocke	104.6	...	...	2.9	6.8	90.2	4.7	...	...
Coffee	80.4	...	...	...	...	75.9	4.4	...	...
Crockett	25.9	...	...	...	...	25.9	...	...	...
Cumberland	142.7	3.0	...	2.4	19.4	117.9	...	...	...
Davidson	58.3	...	...	...	...	58.3	...	...	...
Decatur	96.2	...	1.6	...	2.5	85.7	6.3	...	...
De Kalb	82.3	...	...	...	1.2	69.0	12.0	...	...
Dickson	126.7	...	...	...	1.5	125.2	...	...	...
Dyer	36.5	...	...	...	...	11.2	25.2	...	...
Fayette	101.4	...	...	1.2	4.5	82.6	13.2	...	...

Table 30—*Volume of softwood growing stock in the saw-log portion of sawtimber trees on timberland by type group, Tennessee Counties, 1989*

County	Total	Forest type group							
		Loblolly-shortleaf pine ¹		Oak-pine ²	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Maple-beech-birch	
		Planted	Natural						
<i>----- Million cubic feet -----</i>									
Fentress	107.6	...	...	2.4	12.4	92.9	...	...	...
Franklin	93.2	...	...	...	0.6	92.6	...	...	...
Gibson	25.6	...	...	...	...	25.6	...	...	...
Giles	54.8	1.1	...	...	...	52.6	1.2	...	...
Grainger	76.9	...	...	...	4.8	72.1	...	...	...
Greene	116.8	...	...	4.2	4.4	95.1	...	...	13.1
Grundy	69.6	...	...	1.9	2.3	65.4	...	...	...
Hamblen	31.1	...	...	0.5	6.5	24.1	...	...	...
Hamilton	88.1	...	2.2	2.1	7.3	76.5	...	...	...
Hancock	32.6	...	...	...	...	31.3	...	...	1.3
Hardeman	128.5	...	0.4	0.9	5.4	96.0	25.8	...	...
Hardin	85.7	...	0.6	1.3	8.7	51.3	23.8	...	...
Hawkins	87.4	...	...	...	5.3	74.0	...	...	8.1
Haywood	81.2	...	...	...	...	6.6	74.5	...	...
Henderson	92.0	...	1.7	3.6	1.1	61.0	24.6	...	...
Henry	142.1	...	...	...	...	93.3	48.8	...	...
Hickman	147.6	...	...	...	...	147.6	...	...	...
Houston	60.6	...	...	...	...	60.6	...	...	...
Humphreys	132.9	...	...	...	...	132.9	...	...	...
Jackson	90.2	...	...	...	5.5	84.7	...	...	...
Jefferson	49.1	...	3.5	...	0.8	44.8	...	...	...
Johnson	84.8	...	...	...	13.1	57.4	...	...	14.3
Knox	81.5	...	...	1.0	9.3	71.2	...	...	...
Lake	25.6	...	...	...	...	...	25.6	...	...
Lauderdale	84.0	...	...	...	...	22.1	37.9	24.0	...
Lawrence	88.2	...	...	...	...	78.6	9.7	...	...
Lewis	72.8	...	...	...	...	63.7	9.1	...	...
Lincoln	46.0	...	...	1.3	0.7	42.6	1.4	...	...
Loudon	36.6	...	...	0.8	4.2	31.6	...	...	...
McMinn	60.5	...	2.7	4.1	6.4	42.6	4.6	...	...
McNairy	66.3	...	0.2	3.1	7.2	46.8	9.1	...	...
Macon	64.0	...	...	...	...	64.0	...	...	...
Madison	120.3	...	...	...	2.9	68.4	49.0	...	...
Marion	118.1	...	...	...	9.3	106.3	2.5	...	...
Marshall	25.4	...	...	0.5	3.2	21.7	...	...	...
Maury	41.3	...	...	...	0.3	41.0	...	...	...
Meigs	35.1	...	1.2	...	9.6	24.3	...	...	...
Monroe	138.6	0.5	...	6.2	22.3	88.4	...	...	21.3
Montgomery	62.6	...	...	...	4.6	58.0	...	...	...
Moore	29.1	...	...	...	...	29.1	...	...	...
Morgan	160.0	...	...	...	34.1	125.9	...	...	...
Obion	92.8	...	...	...	...	55.0	37.8	...	...
Overton	155.1	...	...	2.0	6.7	146.4	...	...	...
Perry	103.1	...	...	...	0.3	100.3	2.5	...	...
Pickett	44.3	...	...	...	...	44.3	...	...	...
Polk	70.2	7.5	...	14.3	16.2	31.1	...	...	1.1
Putnam	106.4	...	...	...	3.0	103.4	...	...	...
Rhea	67.3	...	...	...	8.2	59.1	...	...	...

Table 30—Volume of hardwood growing stock in the saw-log portion of sawtimber trees on timberland by type group, Tennessee Counties, 1989 - Continued

County	Total	White-red jack pine	Forest type group						
			Loblolly-shortleaf pine ¹		Oak-pine ²	Oak-hickory	Oak-gum-cypress	Elm-ash-cottonwood	Maple-beech-birch
			Planted	Natural					
----- Million cubic feet -----									
Roane	91.4	...	...	2.0	9.2	80.2	...	...	...
Robertson	43.5	...	...	...	...	43.5	...	...	...
Rutherford	15.6	...	...	0.6	4.4	10.5	...	...	...
Scott	188.8	3.1	...	1.7	8.9	175.0	...	...	...
Sequatchie	36.2	...	...	4.5	...	31.8	...	...	...
Sevier	62.7	...	...	0.4	17.8	44.4	...	...	...
Shelby	111.4	...	...	...	...	61.6	44.0	5.8	...
Smith	32.7	...	...	...	0.9	31.8	...	...	...
Stewart	125.4	...	...	2.4	...	123.1	...	...	...
Sullivan	65.8	1.5	...	0.4	4.9	58.9	...	...	...
Sumner	45.2	...	...	0.5	...	44.8	...	...	...
Tipton	45.8	...	...	...	...	39.7	4.3	1.8	...
Trousdale	8.4	...	...	...	1.4	7.0	...	...	...
Unicoi	64.5	0.3	...	...	7.7	56.5	...	...	...
Union	64.1	...	...	1.0	8.4	44.4	...	...	10.3
Van Buren	57.2	3.2	...	0.7	0.9	52.3	...	...	...
Warren	63.4	...	...	...	0.4	57.8	5.1	...	...
Washington	48.3	...	...	...	4.2	44.0	...	...	...
Wayne	135.4	...	...	1.0	2.2	130.0	2.3	...	...
Weakley	76.1	...	...	...	...	27.2	48.9	...	...
White	105.5	...	0.7	...	1.9	102.3	0.6	...	...
Williamson	86.0	...	...	0.3	2.0	77.7	6.0	...	...
Wilson	13.2	...	...	0.4	5.3	7.4	...	...	...
All counties	7359.8	22.0	16.3	83.0	389.6	6135.2	595.2	31.7	86.8

¹Includes redcedar forest type.

²Includes redcedar-hardwood type.

Table 31—Volume of timber on timberland by county, class of timber and species group, Tennessee Counties, 1989

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
<i>Million cubic feet</i>							
Anderson	219.5	39.4	159.8	1.6	11.7	...	7.0
Bedford	68.7	4.4	46.4	2.9	12.2	...	2.8
Benton	192.8	14.5	161.4	0.1	12.6	...	4.2
Bledsoe	200.1	70.0	117.6	...	10.3	...	2.3
Blount	115.7	41.7	69.2	0.3	4.2	...	0.2
Bradley	116.6	52.2	61.7	...	2.7	...	...
Campbell	385.1	56.4	297.6	0.7	20.9	...	9.5
Cannon	106.8	9.1	83.1	0.7	12.1	...	1.8
Carroll	272.2	18.7	233.7	0.1	18.8	...	0.8
Carter	310.7	42.0	235.6	0.9	25.8	...	6.3
Cheatham	159.9	5.2	140.5	...	8.8	...	5.4
Chester	109.7	30.6	73.4	1.0	4.0	...	0.6
Claiborne	216.2	11.5	184.8	0.3	15.8	0.4	3.5
Clay	96.2	3.4	85.2	...	5.1	...	2.5
Cocke	252.0	47.6	190.4	1.1	11.9	...	1.0
Coffee	175.2	...	154.3	...	11.3	...	9.6
Crockett	34.0	...	33.0	...	1.0	...	...
Cumberland	446.6	123.1	295.2	2.9	18.9	...	6.4
Davidson	137.2	4.4	110.0	1.4	12.8	0.3	8.4
Decatur	217.8	24.7	181.8	0.3	7.7	0.3	2.9
De Kalb	180.2	13.6	153.2	0.8	8.8	...	3.8
Dickson	227.9	1.2	215.6	...	9.2	...	1.8
Dyer	59.3	...	51.5	...	7.8	...	...
Fayette	228.4	20.7	180.9	2.7	18.6	...	5.4
Fentress	381.1	128.4	235.1	0.4	13.4	0.3	3.4
Franklin	203.5	4.4	171.4	0.6	15.0	0.1	12.0
Gibson	52.0	...	47.0	...	5.0	...	...
Giles	177.8	5.1	146.3	0.7	17.5	...	8.3
Grainger	171.2	18.2	138.0	0.2	13.0	...	1.8
Greene	270.0	41.6	205.2	1.6	18.4	...	3.1
Grundy	223.1	31.9	162.5	0.7	13.0	0.4	14.6
Hamblen	76.0	21.1	49.2	...	5.4	...	0.2
Hamilton	273.3	92.0	156.8	0.2	19.3	0.2	4.8
Hancock	75.7	3.6	61.6	0.2	9.9	...	0.3
Hardeman	329.5	58.6	239.1	1.1	26.3	...	4.5
Hardin	284.1	66.0	192.4	2.0	16.1	0.2	7.4
Hawkins	208.1	27.8	164.1	0.9	14.4	...	1.0
Haywood	130.5	...	122.5	...	6.6	...	1.3
Henderson	251.5	39.5	175.0	2.7	25.8	0.6	7.8
Henry	256.5	2.9	228.2	0.3	19.5	...	5.6
Hickman	380.4	13.7	332.0	0.8	28.6	...	5.4
Houston	122.3	0.5	113.4	...	7.6	...	0.8
Humphreys	289.3	3.5	268.8	0.3	13.1	0.2	3.3
Jackson	190.4	10.2	156.4	1.3	17.5	0.2	4.8
Jefferson	106.1	15.5	82.7	...	7.0	...	0.9
Johnson	208.9	30.2	162.9	...	13.2	...	2.6
Knox	192.0	39.7	129.9	2.5	16.3	...	3.6
Lake	74.9	38.8	33.2	...	2.8	...	...

Table 31—Volume of timber on timberland by county, class of timber and species group, Tennessee Counties, 1989
Continued

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
<i>Million cubic feet</i>							
Lauderdale	163.8	20.0	114.2	1.9	12.8	1.7	13.3
Lawrence	184.9	...	173.3	...	9.6	...	1.9
Lewis	176.9	1.6	163.2	...	9.4	...	2.7
Lincoln	133.9	9.7	104.4	1.0	13.9	...	4.8
Loudon	103.7	43.3	54.2	1.6	3.7	0.2	0.6
McMinn	227.3	107.9	107.1	1.2	9.1	0.3	1.7
McNairy	251.8	78.5	154.7	1.6	13.5	...	3.5
Macon	112.2	0.3	104.9	...	5.3	...	1.6
Madison	223.7	8.1	201.1	0.7	11.9	...	1.9
Marion	303.8	41.1	224.3	0.5	26.9	...	10.9
Marshall	64.4	5.9	45.7	1.5	9.4	...	1.9
Maury	126.5	0.5	107.8	0.4	16.5	...	1.3
Meigs	132.6	55.5	71.1	...	5.7	...	0.3
Monroe	511.9	201.5	275.9	5.6	21.5	...	7.5
Montgomery	166.2	8.4	134.6	0.3	19.5	...	3.4
Moore	60.6	2.7	52.6	0.7	3.3	...	1.3
Morgan	393.9	89.5	279.2	...	17.3	0.2	7.7
Obion	153.6	12.9	128.5	0.8	9.5	...	1.9
Overton	305.8	31.5	259.9	0.6	12.0	...	1.9
Perry	270.3	7.4	240.5	0.6	16.5	...	5.3
Pickett	100.8	7.0	85.9	0.3	4.5	...	3.1
Polk	339.9	197.9	128.2	1.5	9.5	0.1	2.8
Putnam	219.6	18.9	183.9	0.3	13.4	...	3.2
Rhea	193.2	44.1	136.0	0.7	11.1	...	1.2
Roane	247.1	46.1	182.7	...	15.7	...	2.6
Robertson	74.4	0.4	65.9	...	7.2	...	0.9
Rutherford	82.7	11.7	40.6	7.5	20.0	0.2	2.7
Scott	524.1	107.1	383.1	0.6	19.5	...	13.9
Sequatchie	148.2	54.1	80.3	0.8	10.5	...	2.6
Sevier	196.1	69.1	114.4	2.1	6.1	...	4.3
Shelby	215.9	1.7	187.4	0.4	24.5	...	1.9
Smith	97.2	4.2	74.9	0.7	14.7	...	2.7
Stewart	257.1	6.2	230.1	0.7	18.1	...	1.9
Sullivan	170.2	33.2	126.8	0.4	8.4	...	1.4
Sumner	93.8	3.6	75.8	1.0	12.0	...	1.5
Tipton	79.4	...	76.6	...	2.5	...	0.4
Trousdale	29.7	4.8	20.6	0.3	3.9	...	0.2
Unicoi	186.3	46.5	123.7	1.3	10.4	...	4.3
Union	126.8	23.2	100.0	0.7	2.9	...	...
Van Buren	160.1	42.2	107.5	...	8.7	...	1.7
Warren	134.0	...	111.6	0.5	18.3	...	3.6
Washington	101.4	20.3	76.1	0.4	4.0	...	0.6
Wayne	353.9	23.0	311.0	0.3	14.6	...	4.9
Weakley	159.8	20.8	118.9	0.4	13.9	...	5.8
White	206.0	26.0	172.3	...	5.2	...	2.4
Williamson	189.7	14.6	149.1	1.7	17.6	0.3	6.5
Wilson	67.0	14.7	36.7	4.5	9.7	...	1.3
All counties	18279.2	2895.3	13787.4	80.4	1171.8	6.3	337.9

Table 32—Number of live trees on timberland by detailed species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)											
		1.0-2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>----- Thousand trees -----</i>													
Shortleaf pine	108385	26722	23672	15253	17727	11994	8113	3332	1172	298	66	36	...
Loblolly pine	154883	38864	42247	37993	20484	9342	3640	1742	312	136	93	30	...
Virginia pine	259027	95179	51584	41086	33316	18140	11718	5664	1732	483	96	31	...
Pitch pine	10977	3153	654	2795	1896	1100	641	377	286	25	33	15	...
Other s. pines	3234	327	852	604	737	422	246	11	26	...	9	...	...
E. white pine	77301	48898	13458	3893	3443	2194	1778	1030	908	634	481	521	63
Redcedar	431268	253757	105344	44368	16608	6871	2927	963	231	168	9	21	...
Hemlock-spruce	62223	37865	12531	5007	2189	1434	1239	771	369	384	188	232	13
Cypress	1975	...	563	...	245	136	31	143	176	114	117	293	158
Total softwoods	1109272	504764	250905	151000	96646	51633	30331	14034	5212	2243	1092	1179	233
Select white oaks	505443	199075	122396	59261	40019	30902	20583	15195	8320	4682	2404	2430	177
Select red oaks	82545	21209	12272	9820	10655	8180	5962	5625	3128	2138	1509	1809	240
Other white oaks	311873	96909	56224	47592	37432	26624	17667	12525	7419	4025	2410	2719	327
Other red oaks	318112	104124	51028	41180	34557	29151	20799	15867	9172	5838	3172	2942	282
Sweet pecan	798	676	...	...	...	51	...	32	21	...	...	12	5
Water hickory	197	...	...	...	...	59	72	53	...	13	...	...	...
Other hickories	591131	303208	120481	56164	44268	30725	17614	10005	4551	2192	1060	809	54
Persimmon	57541	39263	9150	5962	2003	692	357	21	61	...	33	...	...
Hard maple	340466	222873	60964	24093	12131	7976	5140	3533	1569	1034	514	517	122
Soft maple	719065	498873	123728	44876	23269	12371	7127	3752	2124	1324	751	780	90
Boxelder	31934	14914	6242	3787	3349	1932	867	392	331	88	...	25	8
Beech	100895	59293	15850	6869	5376	3770	2431	2215	1211	1285	696	1534	366
Sweetgum	201440	110707	35370	20020	13040	9157	5960	3380	2349	603	435	374	46
Blackgum	-	495826	390547	61767	20637	9667	5477	3240	2104	1238	541	353	246
Other gums/tupelos	4430	2624	563	214	480	131	58	170	64	68	40	17	...
White ash	162942	100000	29435	14061	8093	4416	2907	1874	971	502	382	274	28
Other ashes	78028	39014	17694	8833	4382	3808	2040	736	781	457	196	87	...
Sycamore	10389	1638	2302	1566	1043	1305	455	665	451	233	289	363	79
Cottonwood	1314	...	602	274	...	48	62	21	78	55	22	69	82
Basswood	15348	11047	...	1009	810	886	503	362	320	228	102	78	4
Yellow-poplar	272756	132741	44099	24309	19616	14977	11983	9679	6448	4174	2448	2135	146
Magnolia	9772	3290	2039	1537	1222	924	334	146	155	54	63	8	...
Sweetbay	343	...	...	305	...	38	...	...	...	...	...	...	...
Willow	11138	6212	1054	1270	939	778	243	239	66	96	72	141	28
Black walnut	20065	4735	2892	3973	2841	2255	1632	922	459	176	112	64	4
Black cherry	124937	80077	26294	8868	5191	2234	989	507	380	258	75	64	...
American elm	82040	53715	13722	6281	3102	2427	1190	918	253	199	97	106	29
Other elms	227154	159667	37830	16633	7222	3035	1587	630	226	179	62	74	8
River birch	10761	2878	4106	1812	654	505	363	177	97	80	44	47	...
Other birches	32829	17516	6916	4682	2431	761	286	126	27	24	17	36	7
Hackberry	93105	54549	16942	7656	6210	3010	1936	1437	646	406	139	117	58
Black locust	53946	23278	14913	5263	4657	3017	1259	737	371	246	149	57	...
Other locusts	9817	4918	1888	898	975	581	324	142	39	40	...	13	...
Sassafras	180389	119845	36377	12013	5923	3405	1547	726	269	145	117	21	...
Dogwood	764295	618627	126092	17478	1920	153	26	...	...	...	...	...	...
Holly	29421	25747	2659	591	215	127	56	...	16	11	...	...	...
Other commercial	54440	29109	12957	5531	3122	1684	1021	531	166	115	70	117	16
Total hardwoods	6006928	3552898	1076848	485317	316812	217570	138622	95444	53779	31508	17832	18084	2215
Noncommercial	944143	656916	204131	57841	17570	4601	1851	780	264	79	71	39	...
All species	8060343	4714579	1531884	694158	431027	273805	170804	110258	59256	33829	18995	19301	2448

Table 33—Number of growing-stock trees on timberland by detailed species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)									
		5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>- - - Thousand trees - - -</i>											
Shortleaf pine	57146	15046	17168	11994	8060	3332	1158	298	55	36	...
Loblolly pine	72018	36887	20139	9062	3616	1742	312	136	93	30	...
Virginia pine	108089	38752	32485	17670	11464	5490	1683	418	96	31	...
Pitch pine	6486	2330	1737	1068	641	377	270	25	33	5	...
Other s. pines	2055	604	737	422	246	11	26	...	9	...	...
E. white pine	14591	3730	3443	2127	1691	1030	890	623	481	511	63
Redcedar	57891	36301	13854	4689	2131	642	139	119	9	8	...
Hemlock-spruce	11496	4779	2189	1388	1212	771	352	376	188	227	13
Cypress	1246	...	170	136	31	118	139	97	117	293	146
Total softwoods	331019	138429	91924	48557	29093	13513	4968	2093	1081	1141	221
Select white oaks	170467	53082	38135	29727	19031	14366	7702	4226	2134	1980	84
Select red oaks	46632	9072	10283	7745	5784	5369	2999	2064	1437	1685	195
Other white oaks	142929	43227	34916	24682	15621	10741	6461	3408	1870	1838	163
Other red oaks	150934	38040	32941	27481	18649	14823	8281	5247	2760	2516	196
Sweet pecan	122	...	...	51	...	32	21	...	...	12	5
Water hickory	185	...	...	59	72	53	...	...	...	...	...
Other hickories	154137	49944	41908	29245	15945	9135	4294	1930	995	697	43
Persimmon	8264	5372	1778	692	323	21	46	...	33	...	...
Hard maple	45466	18048	10461	7077	4219	2712	1340	789	457	323	39
Soft maple	73892	34809	18381	9327	5147	2907	1376	887	500	514	44
Boxelder	5090	1732	1453	996	450	196	168	70	...	17	8
Beech	19380	4954	4501	3059	1832	1664	1004	913	473	837	143
Sweetgum	50612	17307	12173	8593	5717	3285	2221	538	413	320	46
Blackgum	35331	16413	8168	4449	2827	1700	954	441	190	185	4
Other gums/tupelos	883	126	285	131	...	170	64	68	30	9	...
White ash	26160	10097	6462	4007	2282	1523	824	416	319	209	21
Other ashes	16819	6667	3279	3119	1740	654	723	409	173	55	...
Sycamore	5144	1136	847	974	376	560	391	210	267	339	44
Cottonwood	699	274	...	48	62	21	78	42	22	69	82
Basswood	3519	658	758	668	503	362	286	138	82	64	...
Yellow-poplar	92046	22553	18864	14640	11685	9392	6299	4063	2406	2047	97
Magnolia	3899	1152	1222	815	334	146	122	54	46	8	...
Sweetbay	246	208	...	38	...	...	...	...	...	...	...
Willow	3486	1270	749	731	243	213	31	47	60	123	18
Black walnut	9099	2664	1869	1946	1331	689	376	112	82	26	4
Black cherry	14383	6786	4202	1843	503	441	284	243	41	39	...
American elm	10177	3689	2546	2062	769	632	198	111	78	73	19
Other elms	23631	12502	6153	2671	1332	571	165	132	54	42	8
River birch	3244	1565	582	374	331	156	83	80	34	39	...
Other birches	7173	4012	2096	639	261	101	10	10	17	21	7
Hackberry	14012	4433	4667	2170	1159	928	355	171	69	52	9
Black locust	10856	3711	3612	1848	670	552	195	139	90	39	...
Other locusts	2066	665	601	452	236	59	17	24	...	13	...
Sassafras	17924	8967	4344	2393	1200	561	256	111	71	21	...
Dogwood	5783	5181	577	...	26	...	...	...	...	...	...
Holly	579	368	151	49	...	...	...	11	...	...	...
Other commercial	5752	2146	1605	783	609	301	112	75	54	62	7
Total hardwoods	1181023	392830	280567	195583	121269	85036	47738	27179	15259	14274	1287
All species	1512041	531259	372490	244141	150362	98550	52706	29271	16339	15415	1508

Table 34—Volume of growing-stock trees on timberland by detailed species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)									
		5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>Million cubic feet</i>											
Shortleaf pine	645.4	45.7	120.7	160.8	158.9	94.6	42.4	15.1	3.2	3.9	...
Loblolly pine	419.4	74.7	111.3	100.9	64.9	43.1	11.0	6.5	5.2	1.7	...
Virginia pine	1043.3	125.5	236.5	229.9	220.7	145.4	59.1	18.1	5.9	2.2	...
Pitch pine	57.6	5.5	10.2	10.9	10.2	8.8	8.6	0.9	1.8	0.5	...
Other s. pines	14.8	1.8	4.2	3.8	3.7	0.3	0.8	...	0.3	...	...
E. white pine	254.3	8.0	19.3	23.2	28.1	25.0	31.4	30.1	28.8	49.5	11.0
Redcedar	237.4	81.9	66.8	42.2	27.5	11.7	3.8	3.0	0.2	0.2	...
Hemlock-spruce	141.8	10.8	12.0	15.2	21.7	19.7	12.3	16.7	11.4	20.0	2.0
Cypress	81.4	...	1.2	2.1	0.4	2.7	4.7	4.8	6.7	31.3	27.6
Total softwoods	2895.3	353.9	582.2	589.1	536.2	351.4	174.1	95.2	63.5	109.2	40.6
Select white oaks	2097.8	139.2	231.9	332.9	341.8	356.7	261.4	180.7	110.8	133.1	9.4
Select red oaks	837.1	23.6	65.1	85.8	104.2	135.0	100.8	88.2	76.7	130.0	27.9
Other white oaks	1572.5	108.1	192.9	250.1	252.8	231.5	188.8	127.9	88.2	114.5	17.7
Other red oaks	2049.7	101.5	193.7	288.9	305.0	346.8	252.5	217.5	142.3	174.9	26.6
Sweet pecan	3.8	...	0.3	...	0.7	0.6	...	...	1.1	1.0	
Water hickory	2.9	...	0.7	1.3	0.9	...	...	...	...	...
Other hickories	1601.8	120.7	241.6	323.2	300.1	241.6	157.1	91.8	58.0	60.1	7.6
Persimmon	38.2	11.8	9.4	6.8	5.4	0.7	1.7	...	2.3	...	...
Hard maple	472.6	47.7	64.9	79.9	73.6	70.3	46.6	35.5	24.5	25.7	3.7
Soft maple	603.8	97.9	111.8	106.2	86.1	66.3	41.7	34.2	23.8	32.9	2.8
Boxelder	40.6	4.2	8.4	9.2	6.1	3.7	4.9	2.5	...	1.2	0.4
Beech	314.8	13.0	25.3	33.9	32.0	39.8	32.2	35.9	23.5	64.8	14.6
Sweetgum	584.9	38.7	71.7	100.4	113.4	91.2	83.7	28.1	23.7	27.5	6.5
Blackgum	262.1	35.7	42.7	41.4	42.8	35.4	26.5	16.7	9.4	11.2	0.3
Other gums/tupelos	12.5	0.3	1.3	1.4	...	4.2	1.7	2.1	1.2	0.4	...
White ash	255.0	23.0	37.6	40.0	38.3	37.6	27.0	17.5	15.8	15.4	2.9
Other ashes	176.4	16.8	19.9	35.6	31.4	17.8	23.9	18.8	9.0	3.2	...
Sycamore	106.7	3.3	5.8	10.1	6.2	14.2	13.5	8.0	14.8	24.5	6.3
Cottonwood	32.6	0.4	...	0.4	1.2	0.7	3.4	2.2	1.5	7.0	15.8
Basswood	66.5	2.3	5.7	8.6	11.2	10.4	10.6	7.2	5.0	5.5	...
Yellow-poplar	1668.1	63.1	127.3	176.6	235.2	268.9	242.5	206.8	152.2	181.8	13.8
Magnolia	46.3	2.9	9.1	10.9	7.2	4.9	4.6	2.8	3.3	0.6	...
Sweetbay	1.2	0.7	...	0.4	...	...	...	...	...	...
Willow	42.8	2.9	4.1	8.3	3.9	4.8	1.2	2.1	3.7	10.4	1.4
Black walnut	91.7	6.2	11.4	19.3	18.2	14.9	11.3	4.2	3.8	1.8	0.5
Black cherry	98.3	16.7	23.4	18.3	7.3	11.1	8.6	9.3	1.6	2.0	...
American elm	91.7	9.7	14.0	19.8	12.0	14.4	6.4	4.4	3.7	5.0	2.3
Other elms	139.0	28.7	32.6	26.2	21.5	14.2	4.8	5.1	3.1	1.8	1.1
River birch	33.6	5.2	4.1	4.5	5.5	4.1	2.6	3.3	1.7	2.7	...
Other birches	45.7	12.2	13.7	8.3	5.3	2.4	0.2	0.3	1.2	1.6	0.7
Hackberry	110.4	9.6	21.8	19.9	17.1	19.1	10.3	6.2	3.4	2.6	0.6
Black locust	88.6	9.4	19.9	19.1	10.7	11.4	6.3	4.5	4.6	2.7	...
Other locusts	17.2	1.6	2.9	4.7	4.4	1.0	0.6	1.0	...	1.0	...
Sassafras	116.5	22.9	24.6	23.0	19.2	11.2	7.4	3.7	3.5	1.1	...
Dogwood	10.5	8.6	1.5	...	0.5	...	...	...	...	...	...
Holly	2.0	0.7	0.5	0.3	...	...	...	0.4	...	...	...
Other commercial	51.6	4.1	8.2	7.5	9.7	6.1	3.2	3.4	2.5	6.2	0.9
Total hardwoods	13787.4	993.3	1648.7	2122.8	2130.4	2094.1	1588.3	1172.2	818.6	1054.1	164.8
All species	16682.7	1347.2	2231.0	2711.9	2666.6	2445.4	1762.4	1267.4	882.1	1163.3	205.4

Table 35—Volume of growing stock in the saw-log portion of sawtimber trees on timberland by detailed species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>- - - Million cubic feet - - -</i>									
Shortleaf pine	412.9	131.2	140.6	84.5	37.5	13.0	2.8	3.4	...
Loblolly pine	193.8	77.8	55.5	38.4	9.9	5.8	4.8	1.5	...
Virginia pine	575.9	184.4	188.8	128.6	51.6	15.7	5.0	1.7	...
Pitch pine	34.6	8.5	8.6	7.5	7.2	0.8	1.4	0.5	...
Other s. pines	7.9	3.3	3.4	0.2	0.7	...	0.3	...	...
E. white pine	202.1	18.3	24.5	22.0	29.2	27.4	26.1	44.3	10.2
Redcedar	73.9	33.4	23.5	10.4	3.6	2.7	0.2	0.2	...
Hemlock-spruce	105.5	11.9	18.6	17.4	11.1	15.7	10.4	18.3	2.0
Cypress	74.5	1.7	0.3	2.1	3.9	4.2	6.3	29.5	26.5
Total softwoods	1681.0	470.5	464.0	311.2	154.7	85.3	57.3	99.4	38.6
Select white oaks	1125.6	...	251.7	289.7	217.9	153.0	94.4	111.1	7.9
Select red oaks	546.2	...	77.5	110.0	84.3	74.8	64.9	110.7	24.0
Other white oaks	822.3	...	189.3	188.2	157.0	106.4	72.3	95.3	13.8
Other red oaks	1208.0	...	227.1	286.7	215.3	185.9	121.2	148.9	22.8
Sweet pecan	2.7	...	...	0.6	0.5	...	...	0.8	0.7
Water hickory	1.7	...	1.0	0.7	...	...	...	...	...
Other hickories	741.8	...	224.8	199.3	132.6	76.8	51.0	50.5	6.8
Persimmon	8.2	...	3.9	0.6	1.5	...	2.1	...	...
Hard maple	218.9	...	53.2	55.3	37.3	28.6	20.3	21.3	2.9
Soft maple	228.1	...	61.6	51.3	34.7	29.0	21.1	27.8	2.5
Boxelder	14.6	...	4.4	2.9	3.9	2.0	...	1.1	0.4
Beech	196.2	...	22.9	31.9	26.8	28.9	19.1	53.9	12.6
Sweetgum	305.9	...	80.1	75.7	72.6	25.2	21.2	25.4	5.6
Blackgum	118.8	...	31.8	29.6	23.4	14.9	8.6	10.2	0.3
Other gums/tupelos	7.5	...	...	3.2	1.3	1.8	1.0	0.3	...
White ash	125.9	...	28.0	30.9	22.0	15.3	13.3	13.5	2.8
Other ashes	84.6	...	22.5	14.7	20.2	16.3	8.1	2.8	...
Sycamore	73.8	...	4.0	10.9	11.5	7.1	12.7	21.9	5.6
Cottonwood	28.9	...	1.0	0.6	3.0	2.0	1.3	6.5	14.5
Basswood	41.1	...	8.6	8.3	8.9	6.2	4.3	4.7	...
Yellow-poplar	1098.4	...	170.0	222.4	212.6	183.3	135.7	162.3	12.1
Magnolia	19.2	...	5.4	4.1	3.8	2.6	2.8	0.5	...
Willow	24.0	...	2.8	3.8	1.0	1.7	3.6	9.7	1.4
Black walnut	41.3	...	13.0	11.5	8.8	3.3	3.1	1.1	0.5
Black cherry	31.5	...	5.2	8.8	6.7	7.4	1.6	1.9	...
American elm	37.6	...	8.7	11.0	5.3	3.8	3.0	3.9	1.9
Other elms	39.4	...	14.8	11.0	3.9	4.2	2.7	1.6	1.1
River birch	15.8	...	4.2	3.5	2.0	2.5	1.3	2.3	...
Other birches	9.0	...	3.7	1.9	0.2	0.2	1.1	1.3	0.6
Hackberry	45.2	...	12.3	14.6	7.9	5.0	2.6	2.1	0.6
Black locust	31.7	...	8.1	8.3	4.9	3.7	4.2	2.5	...
Other locusts	5.7	...	2.9	0.8	0.5	0.8	...	0.8	...
Sassafras	34.5	...	12.6	8.9	6.4	3.0	2.6	0.9	...
Dogwood	0.3	...	0.3	...	...	...	...	...	...
Holly	0.4	...	...	...	...	0.4	...	...	...
Other commercial	25.3	...	7.0	4.5	2.8	2.5	2.1	5.5	0.8
Total hardwoods	7359.8	...	1564.3	1706.5	1341.9	998.5	703.4	903.2	142.0
All species	9040.8	470.5	2028.3	2017.7	1496.6	1083.9	760.7	1002.6	180.6

**Table 36—Volume of timber on timberland by species and class of timber,
Tennessee Counties, 1989**

Species	All live	Growing stock	Rough	Rotten
----- <i>Million cubic feet</i> -----				
Shortleaf pine	650.3	645.4	4.9	...
Loblolly pine	424.0	419.4	4.7	...
Virginia pine	1063.3	1043.3	19.0	1.0
Pitch pine	59.7	57.6	2.1	...
Other s. pines	14.8	14.8	...	...
E. white pine	256.5	254.3	2.1	...
Redcedar	284.4	237.4	43.8	3.1
Hemlock-spruce	143.4	141.8	1.1	0.5
Cypress	85.7	81.4	2.7	1.7
Total softwoods	2982.1	2895.3	80.4	6.3
Select white oaks	2204.4	2097.8	86.6	20.0
Select red oaks	863.0	837.1	16.0	9.9
Other white oaks	1722.1	1572.5	110.0	39.6
Other red oaks	2175.9	2049.7	84.5	41.7
Sweet pecan	3.8	3.8	...	...
Water hickory	3.5	2.9	0.6	...
Other hickories	1680.9	1601.8	63.0	16.0
Persimmon	40.5	38.2	2.2	0.1
Hard maple	548.0	472.6	54.6	20.8
Soft maple	735.5	603.8	94.4	37.3
Boxelder	67.7	40.6	26.0	1.1
Beech	412.1	314.8	40.4	56.8
Sweetgum	611.3	584.9	20.4	6.0
Blackgum	303.6	262.1	27.3	14.2
Other gums/tupelos	14.7	12.5	1.6	0.5
White ash	292.9	255.0	32.5	5.5
Other ashes	197.3	176.4	18.8	2.2
Sycamore	126.3	106.7	8.4	11.2
Cottonwood	33.0	32.6	0.5	...
Basswood	72.7	66.5	2.2	3.9
Yellow-poplar	1699.5	1668.1	20.5	10.9
Magnolia	49.2	46.3	1.9	1.0
Sweetbay	1.5	1.2	0.4	...
Willow	47.9	42.8	3.9	1.2
Black walnut	107.7	91.7	12.6	3.4
Black cherry	118.6	98.3	17.7	2.7
American elm	113.3	91.7	19.6	2.0
Other elms	156.8	139.0	16.8	1.0
River birch	37.0	33.6	3.0	0.5
Other birches	50.1	45.7	3.3	1.2
Hackberry	154.9	110.4	38.8	5.7
Black locust	113.4	88.6	14.0	10.8
Other locusts	22.2	17.2	3.6	1.3
Sassafras	139.6	116.5	18.8	4.3
Dogwood	30.0	10.5	18.6	0.8
Holly	3.7	2.0	1.5	0.2
Other commercial	76.5	51.6	20.6	4.3
Total hardwoods	15031.1	13787.4	905.8	337.9
Noncommercial	266.0	...	266.0	...
All species	18279.2	16682.7	1252.3	344.2

Table 37—Volume of sawtimber for tree grade 1 on timberland by detailed species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>- - - Million board feet - - -</i>									
Shortleaf pine	568.2	114.6	194.7	125.8	92.9	25.6	11.8	2.8	...
Loblolly pine	97.3	10.0	54.4	29.2	3.7	...	...	...	...
Virginia pine	54.4	10.7	18.4	21.2	4.1	...	...	...	...
Pitch pine	10.5	...	1.9	...	3.3	5.3	...	...	...
Other s. pines	4.9	...	4.9	...	...	...	...	...	...
E. white pine	191.9	...	2.4	12.8	18.7	17.7	31.1	78.7	30.5
Redcedar	337.1	159.6	109.3	49.2	14.6	4.4	...	...	...
Hemlock-spruce	27.9	...	...	...	...	...	8.8	14.3	4.9
Cypress	97.0	...	...	...	7.3	8.3	22.6	58.7	...
Total softwoods	1389.2	294.8	386.0	238.3	144.7	61.3	74.3	154.5	35.3
Select white oaks	578.3	...	...	...	96.4	183.5	121.2	161.8	15.4
Select red oaks	494.7	...	...	...	20.3	72.4	101.8	236.2	64.0
Other white oaks	417.3	...	...	...	76.8	113.4	68.7	134.7	23.8
Other red oaks	570.9	...	...	...	40.6	154.0	97.4	216.1	62.9
Sweet pecan	11.2	...	...	...	...	...	...	5.7	5.4
Other hickories	260.0	...	...	...	45.3	80.8	54.6	69.1	10.3
Hard maple	42.6	...	...	...	8.1	14.1	10.6	6.1	3.7
Soft maple	43.4	...	...	...	13.3	5.8	5.6	18.7	...
Boxelder	16.1	...	...	...	9.0	7.1	...	...	...
Beech	6.2	...	...	...	...	...	...	...	6.2
Sweetgum	172.5	...	...	...	69.2	14.7	33.1	42.7	12.8
Blackgum	60.0	...	...	...	8.2	18.0	14.9	17.5	1.4
White ash	99.3	...	...	...	29.2	13.0	20.9	36.1	...
Other ashes	62.9	...	...	...	12.8	32.4	10.6	7.1	...
Sycamore	65.5	...	...	...	3.6	3.3	13.7	36.4	8.5
Cottonwood	116.5	...	...	...	5.3	4.9	4.3	25.3	76.6
Basswood	38.0	...	...	...	8.9	12.5	6.2	10.4	...
Yellow-poplar	999.2	...	...	...	126.4	224.9	237.6	399.9	10.4
Magnolia	8.8	...	...	...	...	8.8	...	...	...
Willow	7.3	...	...	...	...	2.0	...	5.3	...
Black walnut	9.9	...	...	...	5.9	2.0	...	2.0	...
Black cherry	11.4	...	...	...	4.6	6.8	...	...	...
American elm	15.6	...	...	...	...	4.1	3.6	7.9	...
Other elms	6.0	...	...	...	...	...	...	6.0	...
River birch	14.1	...	...	...	...	1.6	4.2	8.3	...
Other birches	7.0	...	...	...	...	...	4.1	...	2.9
Hackberry	4.3	...	...	...	2.5	...	...	1.7	...
Black locust	3.3	...	...	...	...	1.3	2.0	...	...
Sassafras	3.6	...	...	...	2.0	...	...	1.6	...
Other commercial	30.9	...	...	...	1.9	6.7	5.3	12.0	5.0
Total hardwoods	4176.9	...	...	...	590.4	988.0	820.5	1468.7	309.4
All species	5566.1	294.8	386.0	238.3	735.1	1049.3	894.8	1623.3	344.7

Table 38—Volume of sawtimber for tree grade 2 on timberland by detailed species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>Million board feet</i>									
Shortleaf pine	393.0	107.7	142.7	89.9	29.6	18.2	...	4.9	...
Loblolly pine	165.3	51.0	37.7	33.0	22.0	17.9	3.8	...	...
Virginia pine	182.5	19.0	73.5	49.4	22.3	15.7	...	2.6	...
Pitch pine	32.6	2.1	10.4	9.2	5.0	...	2.2	3.7	...
Other s. pines	4.3	3.2	1.2	...	...	...	...	...	...
E. white pine	419.9	40.7	44.9	32.6	71.6	65.9	62.7	92.1	9.4
Hemlock-spruce	43.5	8.1	12.1	3.1	7.2	...	2.7	10.3	...
Cypress	108.2	...	...	2.7	3.5	3.1	2.6	25.4	70.9
Total softwoods	1349.3	231.8	322.5	219.9	161.1	120.7	74.0	139.0	80.3
Select white oaks	1435.6	...	...	388.8	386.0	300.8	185.0	170.7	4.3
Select red oaks	768.8	...	...	152.6	129.3	134.1	114.6	218.5	19.6
Other white oaks	845.1	...	...	183.4	217.9	136.5	149.1	142.1	16.1
Other red oaks	1246.5	...	...	232.5	281.9	272.0	195.2	237.3	27.7
Sweet pecan	2.7	...	...	...	2.7	...	...	...	...
Other hickories	829.1	...	...	247.2	249.7	145.3	85.0	97.1	4.8
Hard maple	167.1	...	...	36.0	54.6	23.3	27.6	25.6	...
Soft maple	133.8	...	...	24.9	34.5	15.5	34.2	24.6	...
Boxelder	2.6	...	...	...	2.6	...	...	...	...
Beech	41.5	...	...	7.8	13.8	8.3	8.7	2.9	...
Sweetgum	356.1	...	...	113.6	122.5	54.9	22.4	42.7	...
Blackgum	103.8	...	...	34.6	41.2	11.5	6.6	9.9	...
White ash	215.5	...	...	89.3	36.8	42.6	17.7	29.1	...
Other ashes	125.4	...	...	41.3	37.7	30.6	12.9	2.8	...
Sycamore	131.7	...	...	28.2	20.5	19.7	18.9	30.3	14.1
Cottonwood	16.9	...	...	...	4.2	3.0	...	9.7	...
Basswood	68.1	...	...	11.0	20.4	16.7	12.5	7.5	...
Yellow-poplar	1395.6	...	...	236.5	356.4	295.4	235.2	256.9	15.2
Magnolia	26.2	...	...	4.8	9.4	3.0	6.0	3.0	...
Willow	11.4	...	...	3.8	...	3.8	...	3.9	...
Black walnut	39.1	...	...	9.8	16.7	3.1	9.6	...	...
Black cherry	50.6	...	...	17.9	11.6	21.1	...	...	...
American elm	31.1	...	...	4.1	12.7	10.2	2.5	1.6	...
Other elms	17.9	...	...	6.6	8.9	...	1.1	1.2	...
River birch	17.3	...	...	6.5	...	3.0	1.8	6.0	...
Other birches	5.7	...	...	3.1	...	...	2.6	...	...
Hackberry	33.2	...	...	7.4	7.9	8.8	5.5	3.5	...
Black locust	14.5	...	...	1.6	5.7	4.5	2.6	...	...
Sassafras	41.4	...	...	13.6	15.4	5.8	6.7	...	...
Other commercial	13.1	...	...	7.6	...	...	...	5.5	...
Total hardwoods	8187.4	...	...	1914.6	2101.0	1573.7	1164.1	1332.2	101.8
All species	9536.8	231.8	322.5	2134.5	2262.1	1694.4	1238.1	1471.2	182.2

Table 39—Volume of sawtimber for tree grade 3 on timberland by detailed species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>Million board feet</i>									
Shortleaf pine	1451.9	500.6	477.3	301.1	107.5	41.9	7.4	16.0	...
Loblolly pine	811.4	344.0	225.8	157.0	34.3	18.5	25.3	6.5	...
Virginia pine	2982.0	957.3	969.0	663.0	274.0	79.0	32.9	6.9	...
Pitch pine	149.7	37.1	32.4	33.4	38.7	...	8.1	...	...
Other s. pines	33.5	13.6	12.5	1.5	3.8	...	2.1	...	...
E. white pine	518.3	53.0	80.6	73.2	73.3	76.6	52.4	97.1	12.0
Hemlock-spruce	498.7	51.5	86.3	93.6	55.3	85.7	43.9	76.0	6.5
Cypress	204.9	9.3	1.1	8.4	10.4	10.3	9.4	86.6	69.3
Total softwoods	6650.3	1966.4	1885.0	1331.2	597.3	312.0	181.5	289.0	87.8
Select white oaks	3074.2	...	988.1	907.3	548.4	314.7	139.7	170.8	5.1
Select red oaks	1263.3	...	297.7	342.4	206.9	164.3	123.1	110.1	18.8
Other white oaks	2385.7	...	780.5	645.5	421.9	258.7	124.6	134.8	19.7
Other red oaks	3027.4	...	740.3	842.7	535.6	373.9	251.5	274.9	8.5
Sweet pecan	3.5	...	...	3.5	...	...	...	...	...
Water hickory	3.6	...	1.2	2.4	...	...	...	...	...
Other hickories	2216.4	...	935.2	670.1	280.3	161.2	91.9	57.9	19.9
Persimmon	26.0	...	16.9	...	9.1	...	...	...	...
Hard maple	636.1	...	169.0	159.5	113.4	75.7	59.9	52.7	5.8
Soft maple	571.0	...	193.2	151.3	68.9	74.9	40.0	39.5	3.1
Boxelder	14.5	...	6.6	3.1	4.8	...	...	...	...
Beech	263.6	...	23.4	27.2	46.0	33.2	29.8	80.9	23.1
Sweetgum	849.8	...	329.5	224.3	175.2	50.7	40.4	23.5	6.1
Blackgum	286.1	...	103.0	85.8	44.0	28.0	18.8	6.6	...
Other gums/tupelos	21.4	...	...	9.2	4.2	2.3	4.5	1.2	...
White ash	283.2	...	119.4	52.8	40.3	19.1	34.5	2.7	14.4
Other ashes	230.7	...	107.1	33.4	49.9	24.0	14.3	2.1	...
Sycamore	140.6	...	14.5	20.4	30.7	11.7	36.9	21.5	4.8
Cottonwood	20.3	...	2.9	3.9	...	4.0	3.5	3.0	3.0
Basswood	109.7	...	47.1	35.1	10.2	9.6	4.4	3.4	...
Yellow-poplar	2642.7	...	683.1	746.3	445.0	325.2	199.1	229.4	14.6
Magnolia	53.1	...	21.1	12.5	7.1	...	12.4	...	...
Willow	44.8	...	2.4	1.7	4.1	4.7	16.6	15.4	...
Black walnut	135.5	...	48.6	45.2	24.3	12.5	2.5	2.5	...
Black cherry	53.1	...	15.5	20.5	11.0	6.1	...	...	...
American elm	88.1	...	32.3	29.0	8.3	2.5	9.2	4.7	1.9
Other elms	109.9	...	60.8	31.0	6.7	2.2	9.2	...	...
River birch	29.7	...	13.4	4.9	5.6	3.5	2.3	...	...
Other birches	20.0	...	10.3	4.0	0.9	...	...	4.8	...
Hackberry	77.7	...	19.6	26.1	16.6	12.1	2.0	1.3	...
Black locust	80.5	...	24.6	16.5	12.2	9.5	7.7	9.9	...
Other locusts	3.1	...	1.3	1.8	...	...	...	...	...
Sassafras	106.0	...	55.2	23.8	11.1	9.8	6.1	...	...
Dogwood	1.5	...	1.5	...	...	...	...	...	...
Other commercial	57.3	...	23.4	7.8	9.3	5.4	4.6	6.7	...
Total hardwoods	18930.3	...	5889.0	5190.9	3152.0	1999.7	1289.6	1260.4	148.7
All species	25580.5	1966.4	7774.0	6522.1	3749.4	2311.7	1471.0	1549.4	236.5

Table 40—Volume of sawtimber for tree grade 4 on timberland by detailed species and diameter class, Tennessee Counties, 1989

Species	All classes	Diameter class (inches at breast height)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	29.0 & larger
<i>Million board feet</i>									
E. white pine	19.2	...	2.6	4.0	...	2.6	10.0	...	...
Total softwoods	19.2	...	2.6	4.0	...	2.6	10.0	...	...
Select white oaks	1278.0	...	373.4	316.4	251.8	117.3	116.4	95.1	7.7
Select red oaks	567.6	...	126.0	131.4	106.8	66.4	45.7	71.8	19.5
Other white oaks	913.2	...	232.2	203.3	181.6	115.6	71.6	94.3	14.6
Other red oaks	1898.1	...	450.3	504.6	336.2	287.8	155.4	144.9	18.9
Water hickory	5.8	...	4.7	1.1	...	...	...	...	...
Other hickories	934.1	...	312.9	229.2	191.0	85.3	57.4	58.2	...
Persimmon	17.8	...	...	3.7	...	...	14.1	...	...
Hard maple	401.2	...	130.1	117.3	45.2	43.1	22.3	43.2	...
Soft maple	379.5	...	115.8	82.2	60.5	36.5	31.2	51.0	2.2
Boxelder	41.2	...	17.3	9.6	6.7	2.4	...	5.2	...
Beech	655.8	...	96.6	139.5	86.8	104.1	68.5	148.6	11.7
Sweetgum	282.5	...	97.3	75.5	45.0	25.9	9.8	26.2	2.7
Blackgum	137.3	...	53.5	33.7	27.0	15.3	4.8	3.0	...
Other gums/tupelos	8.6	...	...	3.6	0.6	4.4	...	...	...
White ash	98.4	...	33.0	35.4	12.6	10.3	...	7.1	...
Other ashes	41.7	...	14.1	5.5	15.5	6.6	...	...	...
Sycamore	53.2	...	5.2	10.7	6.7	4.7	...	19.3	6.6
Cottonwood	4.3	...	...	...	4.3	...	...	...	...
Basswood	21.8	...	5.3	3.8	5.3	...	2.0	5.3	...
Yellow-poplar	1339.9	...	271.9	299.3	297.9	243.4	103.6	100.5	23.1
Magnolia	14.4	...	5.1	9.3	...	...	...	...	...
Willow	66.1	...	9.2	15.1	2.9	...	2.6	30.4	5.9
Black walnut	31.3	...	16.8	10.3	...	1.9	2.4	...	...
Black cherry	36.1	...	7.5	9.3	5.5	5.8	4.3	3.5	...
American elm	69.6	...	12.3	27.2	11.7	2.5	4.1	6.1	5.8
Other elms	70.5	...	19.6	19.6	2.1	15.4	6.9	...	7.0
River birch	13.4	...	4.1	3.9	2.5	2.9	...	...	...
Other birches	17.2	...	10.8	2.6	...	...	...	2.5	1.3
Hackberry	121.5	...	40.5	45.1	13.7	7.1	8.7	2.4	4.0
Black locust	49.0	...	15.0	22.3	7.3	...	4.4	...	...
Other locusts	30.2	...	14.2	2.7	3.4	4.7	...	5.2	...
Sassafras	20.2	...	8.2	6.2	1.3	...	...	4.5	...
Holly	2.4	...	...	...	...	2.4	...	...	...
Other commercial	34.3	...	16.5	5.3	1.9	2.8	2.3	5.5	...
Total hardwoods	9655.9	...	2519.2	2384.5	1734.0	1214.7	738.5	933.8	131.1
All species	9675.0	...	2521.8	2388.5	1734.0	1217.3	748.5	933.8	131.1

Table 41 — Area of timberland by county and special forest type group, Tennessee Counties, 1989

County	Total	Special forest type group							
		White pine ¹	Yellow pine ²	Red cedar	Oak-pine	Oak-hickory ³	Yellow poplar ⁴	Oak-gum-cypress	Other hwd types ⁵
<i>----- Thousand acres -----</i>									
Anderson	124.0	...	13.1	...	6.5	84.8	13.1	...	6.5
Bedford	74.6	...	...	16.0	10.7	42.6	...	5.3	...
Benton	172.7	...	12.8	...	12.8	134.3	6.4	6.4	...
Bledsoe	186.3	...	40.7	...	29.1	104.8	11.6	...	...
Blount	69.9	3.0	9.1	...	24.3	30.4	3.0	...	...
Bradley	92.5	...	30.8	...	15.4	46.3	...	...	...
Campbell	250.2	...	23.3	...	29.1	168.8	29.1	...	...
Cannon	88.5	...	...	5.2	10.4	72.9	...	...	...
Carroll	169.1	...	5.8	...	5.8	122.4	...	35.0	...
Carter	155.5	...	8.6	...	17.2	106.7	13.8	...	9.2
Cheatham	118.2	...	...	...	...	112.3	5.9	...	...
Chester	99.4	...	9.9	...	29.8	39.8	9.9	5.0	5.0
Claiborne	167.5	...	...	7.3	21.9	109.3	7.3	...	21.9
Clay	105.1	...	...	...	8.1	97.0	...	...	...
Cocke	163.4	...	17.0	...	25.9	90.2	24.6	5.7	...
Coffee	114.2	...	...	...	...	103.8	5.2	5.2	...
Crockett	15.1	...	...	...	...	15.1	...	...	...
Cumberland	320.3	5.8	46.6	...	58.2	198.0	11.6	...	...
Davidson	108.1	...	...	...	12.7	95.4	...	...	...
De Kalb	114.2	...	...	11.4	22.8	74.2	...	5.7	...
Decatur	134.8	...	5.4	...	5.4	107.9	10.8	5.4	...
Dickson	174.3	...	...	...	6.0	168.3	...	...	...
Dyer	40.4	...	...	...	...	10.1	...	30.3	...
Fayette	152.0	...	21.7	...	10.9	108.6	...	10.9	...
Fentress	244.1	...	52.3	...	40.7	139.5	11.6	...	...
Franklin	183.0	...	...	...	11.4	165.9	5.7	...	...
Gibson	36.4	...	...	...	...	36.4	...	...	...
Giles	171.8	4.9	4.9	...	4.9	152.2	...	4.9	...
Grainger	102.6	...	...	...	16.2	86.4	...	...	...
Greene	171.8	...	17.1	11.4	21.3	102.3	14.2	...	5.7
Grundy	165.9	...	11.4	...	5.7	137.3	5.7	...	5.7
Hamblen	32.8	...	8.2	...	8.2	16.4	...	...	...
Hamilton	210.7	...	32.9	6.6	39.5	118.5	6.6	6.6	...
Hancock	92.9	...	...	...	5.8	63.9	11.6	...	11.6
Hardeman	247.1	...	30.9	...	30.9	148.3	6.2	30.9	...
Hardin	219.9	...	47.8	...	38.2	100.4	...	33.5	...
Hawkins	177.3	...	11.4	...	34.3	120.1	5.7	...	5.7
Haywood	71.2	...	...	...	...	11.9	...	59.3	...
Henderson	158.4	...	39.6	5.7	5.7	79.2	5.7	22.6	...
Henry	176.1	...	6.5	...	...	110.9	13.0	45.6	...
Hickman	297.2	...	5.6	...	...	274.8	16.8	...	...
Houston	94.2	...	...	...	...	94.2	...	...	...
Humphreys	241.2	...	...	...	...	241.2	...	...	...
Jackson	135.9	...	...	...	31.4	99.3	5.2	...	...
Jefferson	62.2	...	11.3	...	5.7	45.2	...	...	...
Johnson	144.4	...	...	...	26.8	94.0	10.1	...	13.4
Knox	127.0	...	15.9	...	31.7	55.6	23.8	...	...
Lake	18.0	...	...	...	...	...	...	18.0	...

Table 41—Area of timberland by county and special forest type group, Tennessee Counties, 1989 - Continued

County	Total	Special forest type group							
		White pine ¹	Yellow pine ²	Red cedar	Oak-pine	Oak-hickory ³	Yellow poplar ⁴	Oak-gum-cypress	Other hwd types ⁵
<i>Thousand acres</i>									
Lauderdale	88.8	...	...	...	...	24.2	8.1	32.3	24.2
Lawrence	199.8	...	...	...	6.9	158.5	27.6	6.9	...
Lewis	158.0	...	5.9	...	5.9	134.6	...	11.7	...
Lincoln	136.7	...	...	17.8	17.8	89.1	...	11.9	...
Loudon	62.3	...	17.0	5.7	11.3	17.0	5.7	...	...
Macon	77.0	...	...	...	...	63.0	14.0	...	5.7
Madison	140.7	...	...	6.1	24.5	61.2	...	...	...
Marion	251.7	...	6.0	...	36.0	179.8	24.0	48.9	...
Marshall	89.6	...	...	5.0	24.9	59.7	...	6.0	...
Maury	133.0	...	...	6.7	6.7	119.7	...	...	...
McMinn	136.5	...	67.2	...	16.8	46.9	...	5.6	...
McNairy	224.4	...	46.0	...	40.3	120.8	...	17.3	...
Meigs	82.9	...	17.8	...	23.7	35.5	5.9	...	...
Monroe	279.0	7.1	77.9	...	76.8	91.8	14.6	...	10.7
Montgomery	136.9	...	...	...	12.4	118.2	6.2	...	...
Moore	36.6	...	...	...	...	31.4	5.2	...	...
Morgan	276.2	...	5.6	...	84.5	186.0	...	...	...
Obion	67.6	...	...	...	...	30.7	...	...	...
Overton	170.4	...	6.8	...	13.6	109.0	40.9	...	...
Perry	223.6	...	11.5	...	5.7	189.2	11.5	5.7	...
Pickett	68.4	...	...	...	6.8	54.7	6.8	...	...
Polk	214.1	12.8	82.7	...	47.8	46.1	14.5	...	10.2
Putnam	152.3	...	5.4	5.4	16.3	97.9	27.2	...	...
Rhea	126.4	...	11.0	...	27.5	76.9	11.0	...	...
Roane	153.1	...	10.6	...	26.4	95.0	21.1	...	...
Robertson	53.0	...	...	...	...	53.0	...	...	...
Rutherford	155.7	...	...	50.0	38.9	66.7	...	...	...
Scott	300.3	5.5	16.4	...	38.2	207.5	32.8	...	...
Sequatchie	137.3	5.7	51.5	...	...	74.4	5.7	...	...
Sevier	127.5	...	14.2	...	51.9	47.2	14.2	...	...
Shelby	111.6	...	...	...	...	52.5	6.6	45.9	6.6
Smith	81.0	...	...	13.5	6.8	54.0	6.8	...	...
Stewart	219.7	...	...	6.3	...	200.8	12.6	...	...
Sullivan	123.6	7.4	4.8	...	20.8	82.1	8.5	...	...
Sumner	88.2	...	...	12.6	...	63.0	12.6	...	...
Tipton	50.9	...	...	...	...	29.1	7.3	7.3	...
Trousdale	30.0	...	...	...	12.0	18.0	...	...	...
Unicoi	89.4	6.3	...	...	20.8	37.4	25.0	...	...
Union	102.5	...	10.8	...	21.6	59.3	...	...	10.8
Van Buren	135.4	5.4	32.5	...	10.8	81.3	5.4	...	...
Warren	93.6	...	...	...	5.2	83.2	...	5.2	...
Washington	50.3	...	...	...	8.9	32.0	9.5	...	...
Wayne	372.6	...	37.9	...	18.9	290.5	18.9	6.3	...
Weakley	95.9	...	7.4	...	...	36.9	7.4	44.3	...
White	129.4	...	22.5	...	5.6	90.0	5.6	5.6	...
Williamson	142.0	...	5.3	10.5	15.8	94.7	10.5	5.3	...
Wilson	97.0	...	...	15.3	61.2	20.4	...	...	...
All counties	13265.3	63.9	1115.3	218.5	1591.4	8748.8	727.9	639.3	154.5
									5.7

¹White pine forest type group includes white pine, white pine-hemlock, and hemlock forest types.

²Yellow pine forest type group includes loblolly pine, shortleaf pine, Virginia pine, pitch pine, and table-mountain pine forest types.

³Oak-hickory forest type group includes oak-hickory, post oak-black oak, chestnut oak, white oak-red oak-hickory, white oak, and mixed hardwoods forest types.

⁴Yellow poplar forest type group includes yellow poplar-white oak-Northern red oak, and sweetgum-yellow poplar forest types.

⁵Other hardwood types include cottonwood, willow, and sycamore-peach-American elm forest types.

⁶Timberland with no current stocking.

Table 42—Area of timberland by special forest type and ownership class, Tennessee Counties, 1989

Special forest type group	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
<i>Thousand acres</i>						
White pine	64.0	33.6	11.2	4.9	...	14.2
Yellow pine	1115.3	64.8	45.0	257.4	4.8	743.3
Redcedar	218.4	...	18.4	...	...	200.0
Softwood total	1397.7	98.4	74.6	262.3	4.8	957.5
Oak-pine	1591.5	116.7	132.2	112.7	5.7	1224.2
Oak-hickory	8748.6	239.1	572.3	629.8	6.0	7301.5
Yellow poplar	727.9	77.5	37.9	40.9	...	571.6
Oak-gum-cypress	639.3	...	110.2	61.9	5.9	461.2
Other hardwood types	154.4	24.2	25.7	8.1	...	96.5
Hardwood total	11861.7	457.5	878.3	853.4	17.6	9655.0
Nontyped ¹	5.7	...	...	5.7	...	...
All types	13265.1	555.9	952.9	1121.4	22.4	10612.5

¹Timberland with no current stocking.

Table 43—Area of timberland by special forest type and stand-size class, Tennessee Counties, 1989

Special forest type group	All classes	Stand-size class			Nonstocked ¹
		Sawtimber	Poletimber	Sapling-seedling	
<i>Thousand acres</i>					
White pine	64.0	56.7	7.3	...	...
Yellow pine	1115.3	498.7	387.0	229.6	...
Redcedar	218.4	40.3	77.1	101.1	...
Softwood total	1397.7	595.7	471.4	330.7	...
Oak-pine	1591.5	612.6	565.0	414.0	...
Oak-hickory	8748.6	4350.7	2983.4	1414.5	...
Yellow poplar	727.9	414.5	195.2	118.2	...
Oak-gum-cypress	639.3	462.8	135.4	41.1	...
Other hardwood types	154.4	85.0	47.1	22.4	...
Hardwood total	11861.7	5925.6	3926.1	2010.2	...
Nontyped ²	5.7	...	...	...	5.7
All types	13265.1	6521.3	4397.5	2340.9	5.7

¹Timberland less than 16.7 percent stocked.

²Timberland with no current stocking.

Table 44—Volume of softwood growing stock on timberland by county and special forest type, Tennessee Counties, 1989

County	Total	Special forest type group							
		White pine	Yellow pine	Red cedar	Oak-pine	Oak-hickory	Yellow poplar	Oak-gum-cypress	Other hwd types
<i>- - - - - Million cubic feet - - - - -</i>									
Anderson	39.4	...	16.9	...	8.9	13.6	...	...	...
Bedford	4.4	...	...	3.5	0.5	...	...	0.4	...
Benton	14.5	...	12.0	...	2.0	0.4	...	...	...
Bledsoe	70.0	...	47.5	...	12.6	5.8	4.1	...	...
Blount	41.7	6.1	14.5	...	15.7	5.2	0.3	...	...
Bradley	52.2	...	48.2	...	...	4.0	...	...	...
Campbell	56.4	...	25.1	...	21.9	7.3	2.0	...	...
Cannon	9.1	...	...	2.8	5.5	0.8	...	...	...
Carroll	18.7	...	7.1	...	5.7	5.9	...	...	...
Carter	42.0	...	4.1	...	20.1	14.9	1.9	...	1.0
Cheatham	5.2	...	...	...	...	5.2	...	...	...
Chester	30.6	...	11.4	...	16.4	2.2	0.6	...	...
Claiborne	11.5	...	...	2.2	5.9	2.0	1.4	...	...
Clay	3.4	...	...	...	1.2	2.3	...	...	...
Cocke	47.6	...	19.2	...	14.5	11.3	2.7	...	...
Coffee	...	...	...	...	...	...	...	...	...
Crockett	...	...	...	...	...	...	...	...	...
Cumberland	123.1	8.9	47.6	...	36.9	26.8	3.0	...	...
Davidson	4.4	...	...	...	1.3	3.1	...	...	...
De Kalb	13.6	...	...	5.3	8.0	0.3	...	...	...
Decatur	24.7	...	17.8	...	3.3	3.6	...	...	...
Dickson	1.2	...	...	...	1.2	...	...	...	...
Dyer	...	...	...	...	...	...	...	...	...
Fayette	20.7	...	14.3	...	2.7	3.7	...	...	...
Fentress	128.4	...	59.4	...	35.3	32.7	1.0	...	...
Franklin	4.4	...	...	...	2.5	1.9	...	...	...
Gibson	...	...	...	...	...	...	...	...	...
Giles	5.1	3.5	0.2	...	...	1.4	...	...	...
Grainger	18.2	...	...	...	8.4	9.8	...	...	...
Greene	41.6	...	20.1	0.2	14.1	5.8	1.3	...	...
Grundy	31.9	...	21.3	...	2.4	8.1	...	...	...
Hamblen	21.1	...	17.1	...	3.6	0.5	...	...	...
Hamilton	92.0	...	43.5	...	31.0	15.3	2.2	...	...
Hancock	3.6	...	...	...	2.2	1.5	...	...	...
Hardeman	58.6	...	42.0	...	7.6	6.9	...	2.1	...
Hardin	66.0	...	36.5	...	20.6	7.8	...	1.0	...
Hawkins	27.8	...	9.4	...	13.9	4.0	0.5	...	...
Haywood	...	...	...	...	...	...	...	...	...
Henderson	39.5	...	36.3	1.4	1.3	0.3	...	0.2	...
Henry	2.9	...	2.2	...	...	0.6	...	...	...
Hickman	13.7	...	8.9	...	...	4.4	0.4	...	...
Houston	0.5	...	...	...	...	0.5	...	...	...
Humphreys	3.5	...	...	...	...	3.5	...	...	...
Jackson	10.2	...	...	...	9.1	1.1	...	...	...
Jefferson	15.5	...	12.9	...	0.8	1.8	...	...	...
Johnson	30.2	...	...	...	13.7	15.9	0.2	...	0.4
Knox	39.7	...	10.3	...	21.9	5.7	1.8	...	...

Table 44—Volume of softwood growing stock on timberland by county and special forest type, Tennessee Counties, 1989 - Continued

County	Total	Special forest type group							
		White pine	Yellow pine	Red cedar	Oak-pine	Oak-hickory	Yellow poplar	Oak-gum-cypress	Other hwd types
<i>- Million cubic feet -</i>									
Lake	38.8	...	...	...	...	...	...	38.8	...
Lauderdale	20.0	...	...	...	...	...	...	16.6	3.4
Lawrence	...	...	...	...	...	...	...	...	...
Lewis	1.6	...	...	...	...	1.6	...	...	...
Lincoln	9.7	...	...	7.1	1.1	1.6	...	...	...
Loudon	43.3	...	35.0	1.3	7.0	...	...	...	...
Macon	0.3	...	...	...	...	0.3	...	...	...
Madison	8.1	...	...	3.2	2.3	1.8	...	0.8	...
Marion	41.1	...	0.9	...	18.4	20.9	0.8	...	...
Marshall	5.9	...	...	2.4	1.5	2.0	...	...	...
Maury	0.5	...	...	0.3	...	0.2	...	...	...
McMinn	107.9	...	91.2	...	11.3	5.4	...	...	...
McNairy	78.5	...	58.5	...	15.7	3.7	...	0.6	...
Meigs	55.4	...	32.0	...	15.2	8.2	...	...	...
Monroe	201.5	11.1	105.4	...	53.7	27.3	3.7	...	0.4
Montgomery	8.4	...	...	...	4.8	3.6	...	...	...
Moore	2.7	...	...	...	...	2.7	...	...	...
Morgan	89.5	...	1.2	...	57.1	31.2	...	...	...
Obion	12.9	...	...	...	...	...	...	12.9	...
Overton	31.5	...	15.4	...	9.5	6.6	...	...	...
Perry	7.4	...	2.9	...	0.4	4.2	...	...	...
Pickett	7.0	...	...	...	...	7.0	...	...	...
Polk	197.9	34.0	117.6	...	34.2	5.3	5.1	...	1.7
Putnam	18.9	...	...	...	12.6	5.2	1.1	...	...
Rhea	44.1	...	13.6	...	26.0	4.6	...	...	...
Roane	46.1	...	20.2	...	16.6	8.6	0.6	...	...
Robertson	0.4	...	...	...	...	0.4	...	...	...
Rutherford	11.7	...	...	7.3	3.8	0.7	...	...	...
Scott	107.1	16.9	18.4	...	35.2	35.8	0.7	...	...
Sequatchie	54.1	6.0	33.0	...	...	15.0	...	...	...
Sevier	69.1	...	14.4	...	45.8	5.4	3.5	...	...
Shelby	1.7	...	...	...	...	0.4	...	1.3	...
Smith	4.2	...	...	...	1.4	2.8	...	...	...
Stewart	6.2	...	...	5.4	...	0.8	...	...	...
Sullivan	33.2	13.2	5.7	...	9.6	4.7	...	...	...
Sumner	3.6	...	...	3.6	...	...	...	...	...
Tipton	...	...	...	...	...	...	...	...	...
Trousdale	4.8	...	...	...	3.1	1.7	...	...	...
Unicoi	46.5	13.1	...	...	18.8	5.1	9.5	...	...
Union	23.2	...	2.0	...	17.3	4.0	...	...	...
Van Buren	42.2	7.8	21.1	...	7.4	5.9	...	...	...
Warren	...	...	...	...	...	...	...	...	...
Washington	20.3	...	...	...	8.6	2.8	8.9	...	...
Wayne	23.0	...	11.9	...	3.2	7.9	...	...	...
Weakley	20.8	...	16.0	...	...	0.9	...	3.8	...
White	26.0	...	21.4	...	3.4	1.2	...	...	...
Williamson	14.6	...	1.7	4.7	6.0	2.2	...	...	...
Wilson	14.7	...	...	3.2	10.4	1.0	...	...	...
All counties	2895.2	120.6	1245.3	53.9	834.1	498.6	57.3	78.5	6.9

Table 45—Volume of hardwood growing stock on timberland by county and special forest type, Tennessee Counties, 1989

County	Total	Special forest type group							
		White pine	Yellow pine	Red cedar	Oak-pine	Oak-hickory	Yellow poplar	Oak-gum-cypress	Other hwd types
<i>- - - Million cubic feet - - -</i>									
Anderson	159.8	...	4.2	...	5.0	122.3	20.7	...	7.6
Bedford	46.4	...	...	1.9	0.2	39.1	...	5.2	...
Benton	161.4	...	0.4	...	1.9	145.7	11.8	1.6	...
Bledsoe	117.6	...	3.7	...	14.8	84.7	14.5	...	...
Blount	69.3	3.0	1.3	...	15.4	44.4	5.2	...	...
Bradley	61.7	...	8.2	...	0.3	53.1	...	...	...
Campbell	297.6	...	5.9	...	14.9	234.6	42.3	...	...
Cannon	83.1	...	...	2.0	9.1	72.0	...	...	...
Carroll	233.7	...	1.1	...	6.8	170.9	...	54.9	...
Carter	235.6	...	1.0	...	12.7	181.0	27.2	...	13.7
Cheatham	140.5	...	...	...	...	129.0	11.5	...	...
Chester	73.4	...	1.2	...	17.5	36.7	13.7	3.9	0.3
Claiborne	184.8	...	...	0.6	6.5	144.7	13.5	...	19.4
Clay	85.2	...	...	...	2.7	82.5	...	...	...
Cocke	190.4	...	6.2	...	18.0	115.7	42.3	8.2	...
Coffee	154.3	...	...	...	...	139.5	7.5	7.3	...
Crockett	33.0	...	...	...	...	33.0	...	...	...
Cumberland	295.2	5.0	5.7	...	39.7	230.7	14.1	...	...
Davidson	110.0	...	...	...	4.1	105.9	...	...	...
De Kalb	153.2	...	...	1.6	10.8	124.3	...	16.5	...
Decatur	181.8	...	6.7	...	4.5	151.7	9.7	9.2	...
Dickson	215.6	...	...	...	3.6	212.1	...	...	...
Dyer	51.5	...	...	...	...	16.1	...	35.4	...
Fayette	180.9	...	6.8	...	7.8	138.6	...	27.8	...
Fentress	235.1	...	7.5	...	39.9	167.3	20.5	...	...
Franklin	171.4	...	...	...	3.0	152.3	16.1	...	...
Gibson	47.0	...	...	...	...	47.0	...	...	...
Giles	146.3	2.6	...	...	...	141.5	...	2.2	...
Grainger	138.0	...	...	...	10.2	127.8	...	...	...
Greene	205.2	...	8.0	0.6	16.3	133.7	28.5	...	18.1
Grundy	162.5	...	4.7	...	6.3	144.4	7.1	...	...
Hamblen	49.2	...	2.6	...	7.6	39.0	...	...	...
Hamilton	156.8	...	10.6	...	17.0	125.5	3.3	0.5	...
Hancock	61.6	...	...	...	2.1	45.1	8.5	...	6.0
Hardeman	239.1	...	3.5	...	11.6	169.6	7.3	47.1	...
Hardin	192.4	...	6.8	...	21.9	115.4	...	48.2	...
Hawkins	164.1	...	...	...	17.6	131.9	4.5	...	10.0
Haywood	122.5	...	...	...	...	9.7	...	112.8	...
Henderson	175.0	...	10.4	3.1	3.8	112.3	3.5	41.9	...
Henry	228.2	...	0.6	...	...	136.8	23.2	67.5	...
Hickman	332.0	...	0.4	...	...	307.3	24.3	...	...
Houston	113.4	...	...	...	...	113.4	...	...	...
Humphreys	268.8	...	...	...	...	268.8	...	...	...
Jackson	156.4	...	...	...	11.1	135.1	10.1	...	...
Jefferson	82.7	...	7.3	...	2.0	73.4	...	...	...
Johnson	162.9	...	...	...	21.9	108.1	12.5	...	...
Knox	129.9	...	1.2	...	17.2	50.5	61.0	...	20.4
Lake	33.2	...	...	...	...	...	...	33.2	...

Table 45—Volume of hardwood growing stock on timberland by county and special forest type, Tennessee Counties, 1989 - Continued

County	Total	Special forest type group							
		White pine	Yellow pine	Red cedar	Oak-pine	Oak-hickory	Yellow poplar	Oak-gum-cypress	Other hw types
<i>----- Million cubic feet -----</i>									
Lauderdale	114.2	...	...	...	...	16.9	16.3	50.7	30.2
Lawrence	173.3	...	...	...	...	142.2	19.8	11.3	...
Lewis	163.2	...	...	...	...	147.9	...	15.3	...
Lincoln	104.4	...	...	4.1	3.7	88.5	...	8.1	...
Loudon	54.2	...	2.0	0.3	7.4	33.5	10.5	...	0.5
Macon	104.9	...	...	...	...	83.3	21.6	...	...
Madison	201.1	...	...	0.7	8.8	115.6	...	76.0	...
Marion	224.3	...	...	...	18.3	187.0	15.1	3.9	...
Marshall	45.7	...	...	1.3	6.8	37.6	...	...	...
Maury	107.8	...	...	...	1.5	106.3	...	...	...
McMinn	107.1	...	22.5	...	9.8	67.1	...	7.7	...
McNairy	154.7	...	10.9	...	20.9	98.2	...	24.7	...
Meigs	71.1	...	3.7	...	17.3	42.2	7.9	...	...
Monroe	275.9	1.5	23.2	...	47.1	149.4	23.6	...	31.0
Montgomery	134.6	...	...	...	8.4	114.0	12.3	...	...
Moore	52.6	...	...	...	...	46.1	6.5	...	...
Morgan	279.2	...	...	...	59.5	219.7	...	...	...
Obion	128.5	...	...	...	...	71.1	...	57.4	...
Overton	259.9	...	2.2	...	12.7	174.1	71.0	...	...
Perry	240.5	...	1.8	...	2.2	210.0	22.0	4.5	...
Pickett	85.9	...	...	...	...	77.9	8.0	...	...
Polk	128.2	12.8	28.0	...	26.3	44.7	11.7	...	4.7
Putnam	183.9	...	0.3	...	7.6	138.4	37.6	...	...
Rhea	136.0	...	0.4	...	19.4	93.5	22.7	...	...
Roane	182.7	...	3.3	...	18.1	120.5	40.8	...	...
Robertson	65.9	...	...	...	...	65.9	...	...	...
Rutherford	40.6	...	...	3.4	11.8	25.4	...	...	...
Scott	383.1	4.0	6.8	...	25.0	297.9	49.3	...	...
Sequatchie	80.3	1.5	11.2	...	...	59.8	7.8	...	...
Sevier	114.4	...	3.4	...	35.0	66.2	9.8	...	...
Shelby	187.4	...	...	...	...	87.6	10.4	80.5	8.9
Smith	74.9	...	...	...	3.2	53.0	18.7	...	...
Stewart	230.1	...	...	3.7	...	202.9	23.5	...	...
Sullivan	126.8	5.0	0.6	...	14.7	89.4	17.1	...	...
Sumner	75.8	...	...	1.1	...	56.5	18.1	...	...
Tipton	76.6	...	...	...	...	37.4	20.4	7.5	11.2
Trousdale	20.6	...	...	...	4.1	16.5	...	...	...
Unicoi	123.7	3.1	...	...	15.4	50.0	55.3	...	...
Union	100.0	...	2.2	...	15.5	66.4	...	...	15.9
Van Buren	107.5	4.9	2.4	...	4.3	91.2	4.6	...	...
Warren	111.6	...	...	...	0.5	103.1	...	8.0	...
Washington	76.1	...	...	...	6.7	50.5	19.0	...	...
Wayne	311.0	...	2.8	...	5.5	286.7	11.9	4.1	...
Weakley	118.9	...	0.9	...	...	45.9	...	72.1	...
White	172.3	...	1.8	...	4.1	142.2	20.2	4.0	...
Williamson	149.1	...	0.7	0.9	6.8	114.1	18.6	8.0	...
Wilson	36.7	...	...	1.4	19.1	16.2	...	...	...
All counties	13787.0	43.4	247.1	26.7	873.3	10314.7	1116.5	967.2	197.9

Table 46—Volume of softwood sawtimber on timberland by county and special forest type, Tennessee Counties, 1989

County	Total	Special forest type group						
		White pine	Yellow pine	Red cedar	Oak-pine	Oak-hickory	Yellow poplar	Oak-gum-cypress
<i>Million board feet</i>								
Anderson	163.0	...	65.4	...	43.2	54.3	...	...
Bedford	4.6	...	...	2.3	2.3	...	...	...
Benton	13.7	...	11.1	...	1.6	1.0	...	...
Bledsoe	180.4	...	95.5	...	56.0	16.4	12.5	...
Blount	150.8	28.3	48.0	...	55.4	17.7	1.5	...
Bradley	188.0	...	168.4	...	...	19.6	...	...
Campbell	192.3	...	83.3	...	76.1	27.1	5.7	...
Cannon	9.3	...	...	5.2	4.1	...	...	...
Carroll	83.1	...	31.6	...	30.2	21.3	...	...
Carter	164.1	...	6.0	...	81.2	65.1	9.6	2.2
Cheatham	14.0	...	...	...	...	14.0	...	...
Chester	116.0	...	41.5	...	63.9	7.4	3.2	...
Claiborne	39.1	...	...	2.0	20.8	8.8	7.5	...
Clay	8.7	...	...	...	...	8.7	...	...
Cocke	173.2	...	64.9	...	58.0	39.5	10.7	...
Coffee	...	...	...	...	...	...	...	...
Crockett	...	...	...	...	...	...	...	...
Cumberland	437.7	36.9	130.1	...	147.6	112.5	10.7	...
Davidson	6.2	...	...	...	2.0	4.2	...	...
De Kalb	21.9	...	...	10.8	11.1	...	...	...
Decatur	100.3	...	78.6	...	11.7	10.0	...	...
Dickson	...	...	...	...	...	...	...	...
Dyer	...	...	...	...	...	...	...	...
Fayette	44.9	...	30.3	...	4.5	10.1	...	...
Fentress	403.2	...	127.6	...	151.3	119.7	4.7	...
Franklin	6.3	...	...	...	3.1	3.2	...	...
Gibson	...	...	...	...	...	...	...	...
Giles	13.7	9.8	...	...	...	3.9	...	...
Grainger	53.8	...	...	...	20.0	33.8	...	...
Greene	128.6	...	50.1	...	54.2	20.7	3.6	...
Grundy	71.0	...	45.8	...	3.6	21.7	...	...
Hamblen	78.3	...	69.7	...	8.6	...	...	...
Hamilton	363.6	...	167.3	...	119.4	70.9	5.9	...
Hancock	11.0	...	...	...	1.2	9.7	...	...
Hardeman	206.8	...	164.8	...	14.7	21.1	...	6.3
Hardin	168.6	...	90.6	...	54.8	20.1	...	3.1
Hawkins	76.4	...	14.0	...	49.3	10.5	2.6	...
Haywood	...	...	...	...	...	...	...	...
Henderson	105.0	...	96.1	3.8	5.1	...	...	...
Henry	9.2	...	9.2	...	...	...	...	...
Hickman	39.0	...	32.3	...	...	6.7	...	...
Houston	1.6	...	...	...	...	1.6	...	...
Humphreys	12.7	...	...	...	...	12.7	...	...
Jackson	19.7	...	...	...	17.2	2.5	...	...
Jefferson	51.8	...	46.0	...	1.3	4.4	...	...
Johnson	119.1	...	...	...	54.3	64.3	0.5	...
Knox	112.7	...	24.9	...	62.1	16.6	9.1	...
Lake	200.2	...	...	...	...	...	...	200.2

Table 46—Volume of softwood sawtimber on timberland by county and special forest type, Tennessee Counties, 1989 - Continued

County	Total	Special forest type group							
		White pine	Yellow pine	Red cedar	Oak-pine	Oak-hickory	Yellow poplar	Oak-gum-cypress	Other hwd types
<i>Million board feet</i>									
Lauderdale	105.3	...	...	...	...	...	...	83.7	21.6
Lawrence	...	...	...	...	...	...	...	...	...
Lewis	4.9	...	...	...	...	4.9	...	...	...
Lincoln	5.1	...	...	5.1	...	...	...	...	...
Loudon	155.1	...	122.0	2.4	30.7	...	...	...	...
Macon	...	...	...	...	...	...	...	...	...
Madison	19.7	...	...	11.0	1.4	4.5	...	2.7	...
Marion	151.4	...	...	...	69.2	79.2	2.9	...	...
Marshall	6.9	...	...	4.5	1.3	1.1	...	...	...
Maury	...	...	...	...	...	...	...	...	...
McMinn	307.4	...	226.4	...	59.6	21.4	...	...	...
McNairy	232.4	...	180.9	...	37.3	10.7	...	3.5	...
Meigs	166.0	...	76.3	...	56.1	33.6	...	...	...
Monroe	692.9	42.8	331.3	...	178.0	119.5	20.1	...	1.2
Montgomery	18.7	...	...	...	10.0	8.8	...	...	...
Moore	7.1	...	...	...	...	7.1	...	...	...
Morgan	350.5	...	...	...	202.8	147.7	...	...	...
Obion	67.1	...	...	...	...	...	...	67.1	...
Overton	145.3	...	83.0	...	38.1	24.1	...	...	...
Perry	13.7	...	5.0	...	...	8.7	...	...	...
Pickett	23.3	...	...	...	...	23.3	...	...	...
Polk	767.2	177.2	396.1	...	138.5	21.7	24.0	...	9.6
Putnam	74.9	...	...	...	47.9	21.9	5.1	...	...
Rhea	108.9	...	21.1	...	70.5	17.2	...	...	...
Roane	195.2	...	88.5	...	71.7	32.8	2.1	...	...
Robertson	1.8	...	...	...	...	1.8	...	...	...
Rutherford	6.1	...	...	2.6	3.3	0.3	...	...	...
Scott	396.9	64.3	58.1	...	123.0	147.0	4.4	...	...
Sequatchie	160.2	24.5	82.9	...	...	52.8	...	...	...
Sevier	247.4	...	41.0	...	169.9	23.9	12.6	...	...
Shelby	7.8	...	...	...	...	1.8	...	6.0	...
Smith	1.4	...	...	...	...	1.4	...	...	...
Stewart	22.0	...	...	20.0	...	2.1	...	...	...
Sullivan	122.1	58.5	21.2	...	30.4	12.0	...	...	...
Sumner	4.3	...	...	4.3	...	...	...	...	...
Tipton	...	...	...	...	...	...	...	...	...
Trousdale	0.5	...	...	...	0.5	...	...	...	...
Unicoi	223.0	73.2	...	...	86.2	20.2	43.4	...	...
Union	62.3	...	3.2	...	47.5	11.7	...	...	...
Van Buren	97.9	39.9	36.7	...	8.0	13.3	...	...	...
Warren	...	...	...	...	...	...	...	...	...
Washington	87.2	...	...	...	31.0	9.0	47.3	...	...
Wayne	38.6	...	21.2	...	2.3	15.1	...	...	...
Weakley	72.5	...	50.0	...	...	2.8	...	19.7	...
White	33.5	...	20.0	...	10.0	3.5	...	...	...
Williamson	23.5	...	0.9	8.4	8.3	6.0	...	...	...
Wilson	23.8	...	...	1.5	22.2	...	...	...	...
All counties	9615.4	555.4	3658.9	83.9	2845.6	1794.7	249.7	392.3	34.6

Table 47—Volume of hardwood sawtimber on timberland by county and special forest type, Tennessee Counties, 1989

County	Total	Special forest type group							
		White pine	Yellow pine	Red cedar	Oak-pine	Oak-hickory	Yellow poplar	Oak-gum-cypress	Other hwd types
<i>- - - - - Million board feet - - - - -</i>									
Anderson	628.6	...	7.8	...	22.5	502.1	78.8	...	17.4
Bedford	136.6	...	...	8.0	...	107.2	...	21.4	...
Benton	431.1	...	...	...	2.0	429.1	...	...	...
Bledsoe	277.2	...	4.6	...	30.7	212.0	29.9	...	...
Blount	214.4	10.4	0.9	...	40.7	150.0	12.5	...	...
Bradley	234.9	...	13.9	...	0.6	220.4	...	...	...
Campbell	1143.6	...	15.5	...	51.9	933.9	142.3	...	...
Cannon	234.4	...	...	3.4	5.6	225.4	...	...	...
Carroll	721.8	...	4.2	...	29.8	544.7	...	143.1	...
Carter	794.9	...	1.4	...	22.3	672.2	82.9	...	16.1
Cheatham	426.1	...	...	...	...	386.0	40.0	...	...
Chester	180.3	...	4.6	...	44.5	101.3	22.0	7.9	...
Claiborne	614.2	...	...	2.8	6.4	495.9	44.3	...	64.7
Clay	204.2	...	...	...	7.8	196.5	...	...	...
Cocke	618.2	...	16.0	...	39.1	385.4	150.6	27.0	...
Coffee	486.6	...	...	...	...	437.4	21.9	27.4	...
Crockett	165.2	...	...	...	...	165.2	...	...	...
Cumberland	839.1	18.3	12.4	...	112.7	660.2	35.4	...	...
Davidson	374.5	...	...	...	...	374.5	...	...	...
De Kalb	501.6	...	...	...	6.8	427.3	...	67.5	...
Decatur	571.9	...	9.4	...	14.2	484.3	25.3	38.6	...
Dickson	738.3	...	...	...	8.3	730.0	...	...	...
Dyer	225.9	...	...	...	...	71.2	...	154.7	...
Fayette	593.2	...	5.9	...	25.4	485.2	...	76.7	...
Fentress	654.5	...	14.6	...	74.2	512.3	53.4	...	...
Franklin	568.2	...	...	...	3.6	483.2	81.4	...	...
Gibson	155.9	...	...	...	...	155.9	...	...	...
Giles	334.1	6.0	...	...	...	321.5	...	6.6	...
Grainger	468.5	...	...	...	28.6	439.9	...	...	...
Greene	727.4	...	23.7	1.6	25.1	476.5	112.1	...	88.4
Grundy	448.1	...	12.8	...	13.4	407.5	14.4	...	...
Hamblen	198.2	...	3.2	...	44.9	150.1	...	...	...
Hamilton	526.9	...	24.1	...	44.0	448.1	10.7	...	...
Hancock	202.2	...	...	...	...	178.2	16.6	...	7.4
Hardeman	748.5	...	7.4	...	31.0	555.1	8.3	146.7	...
Hardin	520.6	...	11.0	...	51.8	318.9	...	138.9	...
Hawkins	531.4	...	...	...	30.8	426.9	25.1	...	48.7
Haywood	488.5	...	...	...	...	36.7	...	451.8	...
Henderson	541.5	...	25.5	4.8	6.4	348.1	9.4	147.3	...
Henry	826.6	...	...	...	...	475.0	68.2	283.4	...
Hickman	867.3	...	...	...	...	769.1	98.2	...	...
Houston	357.6	...	...	...	...	357.6	...	...	...
Humphreys	770.9	...	...	...	...	770.9	...	...	...
Jackson	564.1	...	...	...	32.0	494.0	38.1	...	...
Jefferson	317.0	...	21.1	...	4.9	291.0	...	...	...
Johnson	489.1	...	...	...	72.7	277.6	56.3	...	82.5
Knox	516.1	...	5.7	...	59.0	176.0	275.4	...	...
Lake	146.5	...	...	...	...	...	...	146.5	...

Table 47—Volume of hardwood sawtimber on timberland by county and special forest type, Tennessee Counties, 1989 - Continued

County	Total	Special forest type group							
		White pine	Yellow pine	Red cedar	Oak-pine	Oak-hickory	Yellow poplar	Oak-gum-cypress	Other hwd types
<i>- Million board feet -</i>									
Lauderdale	518.1	...	...	...	...	62.2	65.4	232.6	157.8
Lawrence	480.9	...	...	...	...	375.2	52.6	53.2	...
Lewis	425.6	...	...	...	...	371.0	...	54.5	...
Lincoln	271.4	...	...	6.9	3.7	252.9	...	7.9	...
Loudon	223.8	...	3.7	0.7	24.9	158.3	36.2	...	...
Macon	378.0	...	...	...	...	313.7	64.3	...	...
Madison	709.4	...	...	...	15.5	410.1	...	283.9	...
Marion	695.5	...	...	...	51.9	600.1	30.6	13.0	...
Marshall	146.8	...	...	2.9	18.8	125.0	...	...	...
Maury	241.8	...	...	...	1.7	240.1	...	...	...
McMinn	362.6	...	40.6	...	38.9	255.2	...	28.0	...
McNairy	377.8	...	18.0	...	39.3	269.2	...	51.3	...
Meigs	201.4	...	6.3	...	54.0	117.4	23.7	...	...
Monroe	844.3	3.0	35.6	...	134.8	444.0	85.5	...	141.5
Montgomery	385.6	...	...	...	27.6	315.6	42.5	...	...
Moore	185.5	...	...	...	...	163.2	22.3	...	...
Morgan	972.5	...	...	...	202.5	770.0	...	...	...
Obion	545.9	...	...	...	...	331.2	...	214.8	...
Overton	927.5	...	12.1	...	42.6	592.3	280.6	...	...
Perry	615.3	...	...	...	1.3	529.6	70.0	14.4	...
Pickett	271.9	...	...	...	...	251.0	20.9	...	...
Polk	426.5	48.5	86.3	...	94.7	145.8	45.0	...	6.2
Putnam	633.8	...	...	...	17.6	502.5	113.7	...	...
Rhea	401.5	...	...	...	46.0	293.3	62.2	...	...
Roane	538.3	...	11.8	...	51.5	338.1	137.0	...	...
Robertson	260.7	...	...	...	...	260.7	...	...	...
Rutherford	89.0	...	...	3.6	24.9	60.6	...	...	...
Scott	1168.6	21.1	9.9	...	54.5	903.4	179.6	...	...
Sequatchie	211.7	...	25.6	...	...	165.9	20.2	...	...
Sevier	376.5	...	2.3	...	104.0	242.6	27.7	...	...
Shelby	671.0	...	...	...	...	342.4	28.8	266.6	33.2
Smith	201.4	...	...	...	5.2	125.7	70.4	...	...
Stewart	748.5	...	...	15.2	...	656.4	76.9	...	...
Sullivan	366.6	8.4	2.4	...	28.1	264.7	63.0	...	...
Sumner	271.1	...	...	3.1	...	191.5	76.6	...	...
Tipton	280.7	...	...	...	...	150.7	91.5	29.2	9.2
Trousdale	49.3	...	...	...	8.0	41.4	...	...	...
Unicoi	396.0	1.6	...	...	47.4	170.3	176.7	...	...
Union	358.6	...	5.7	...	44.3	247.2	...	...	61.4
Van Buren	343.2	20.2	4.2	...	5.2	294.6	19.1	...	...
Warren	370.5	...	...	...	2.4	340.1	...	27.9	...
Washington	288.0	...	...	...	25.8	170.9	91.4	...	...
Wayne	759.7	...	6.6	...	11.3	705.8	23.4	12.7	...
Weakley	448.3	...	...	...	...	160.2	...	288.1	...
White	631.8	...	3.9	...	10.5	508.5	105.9	2.9	...
Williamson	521.9	...	...	1.3	10.8	418.1	54.1	37.6	...
Wilson	76.9	...	...	2.3	30.5	44.2	...	...	...
All counties	43998.2	137.5	520.7	56.6	2273.9	32960.4	3811.3	3504.1	734.5

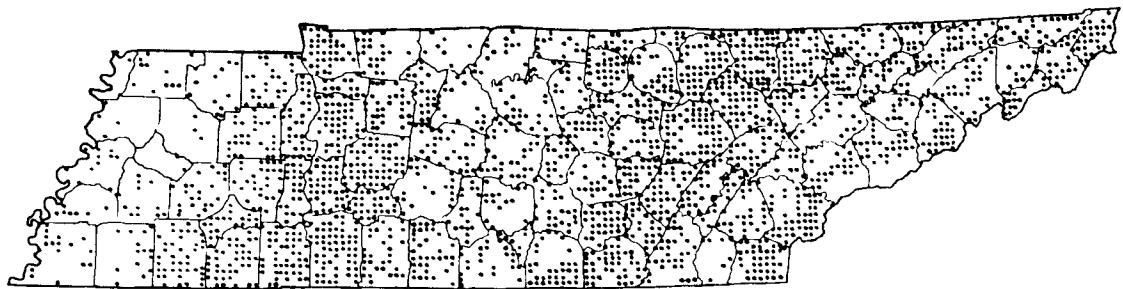


Figure 1.—Location of Forest Inventory and Analysis plots on timberland, Tennessee, 1989.

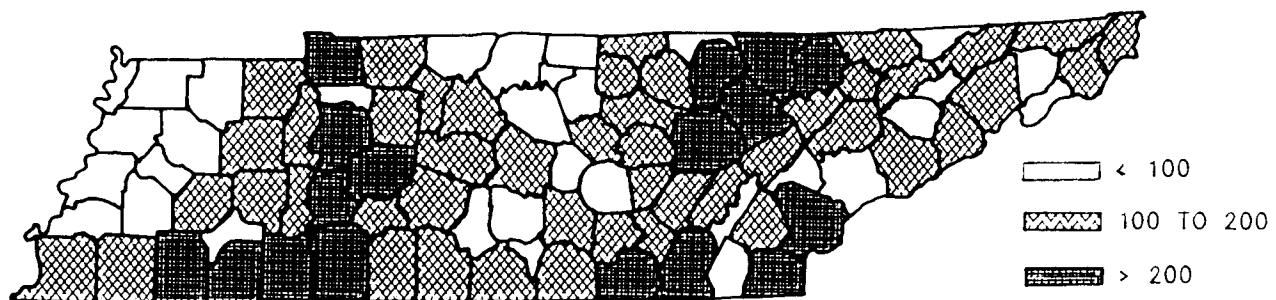


Figure 2.—Total timberland by county in thousand acres, Tennessee, 1989.

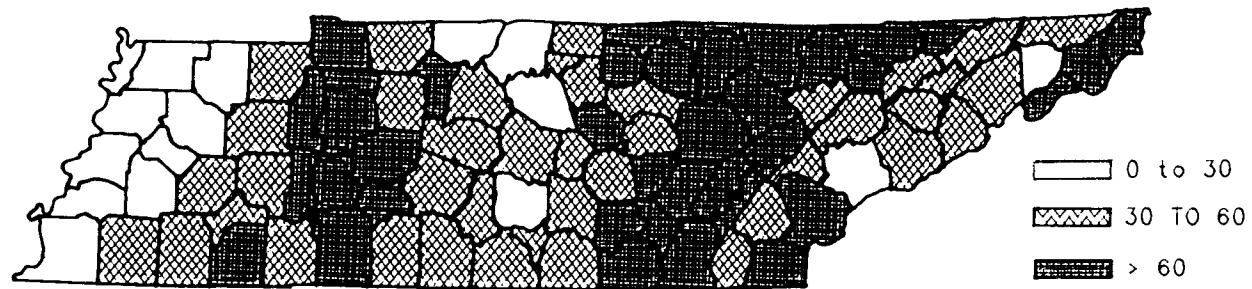


Figure 3.—Percent timberland of total land area by county, Tennessee, 1989.

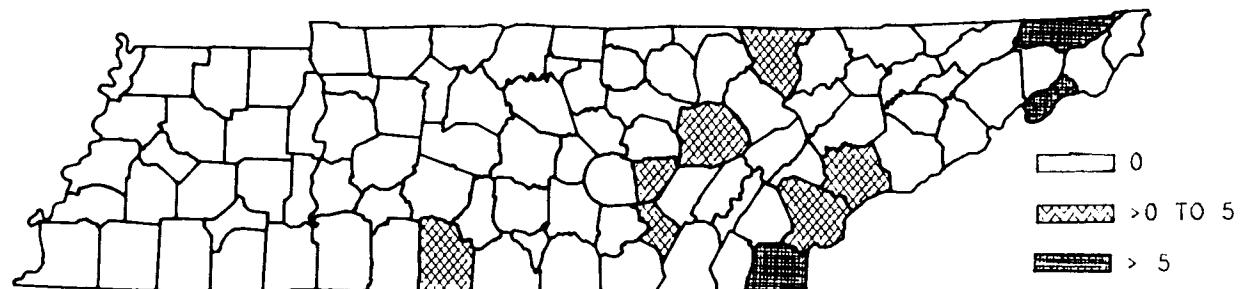


Figure 4.—Percent timberland by county, White Pine/Hemlock forest type (see table 41), Tennessee, 1989.

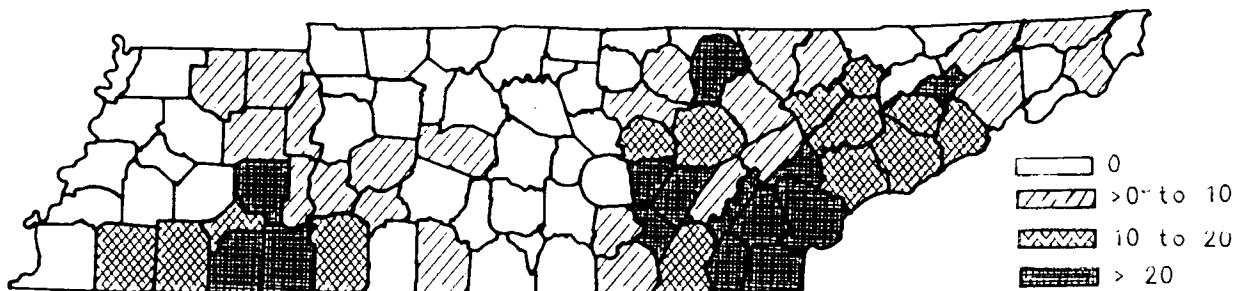


Figure 5.—Percent timberland by county, Yellow Pine forest type (see table 41), Tennessee, 1989.

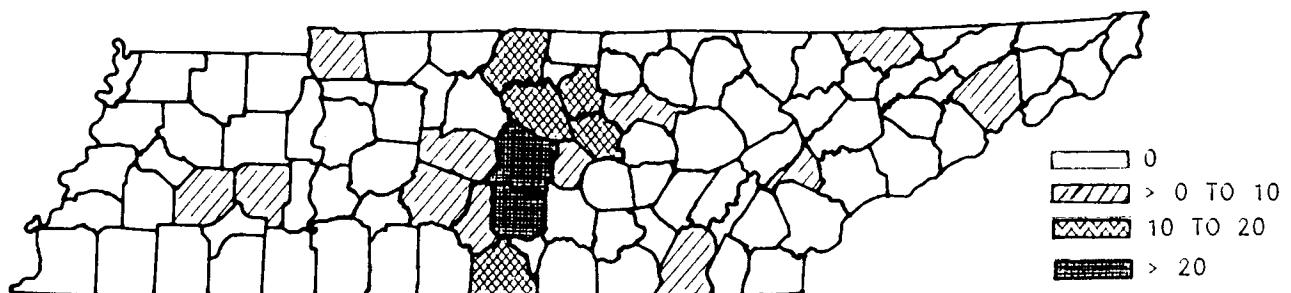


Figure 6.—Percent timberland by county, Red Cedar forest type (see table 41), Tennessee, 1989.

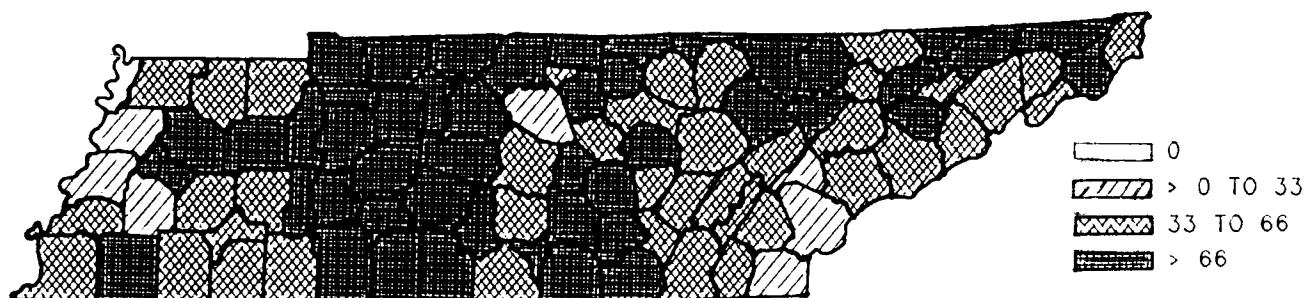


Figure 7.—Percent timberland by county, Oak/Hickory forest type (see table 41), Tennessee, 1989.

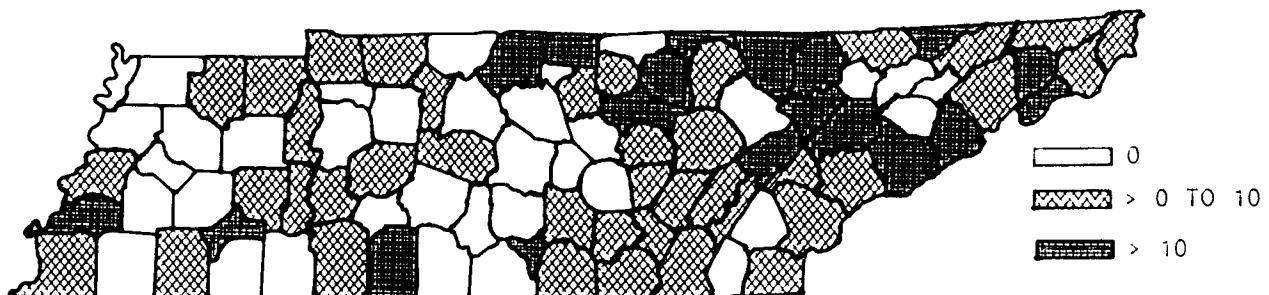


Figure 8.—Percent timberland by county, Yellow-Poplar forest type (see table 41), Tennessee, 1989.

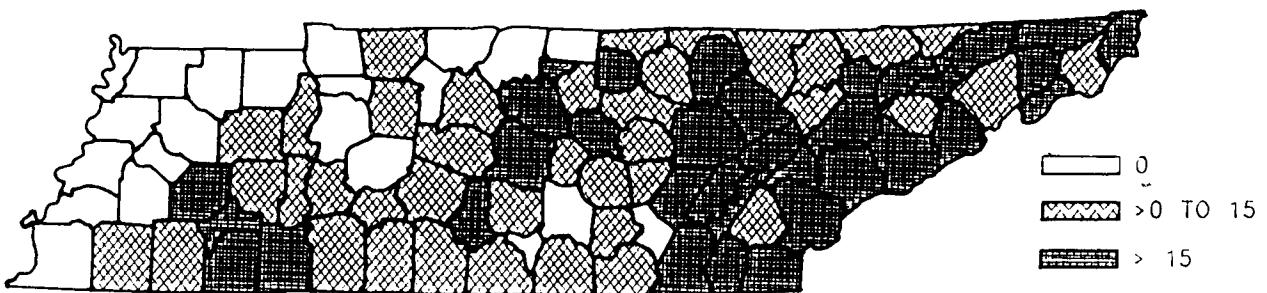


Figure 9.—Percent timberland by county, *Oak/Pine* forest type (see table 41), Tennessee, 1989.

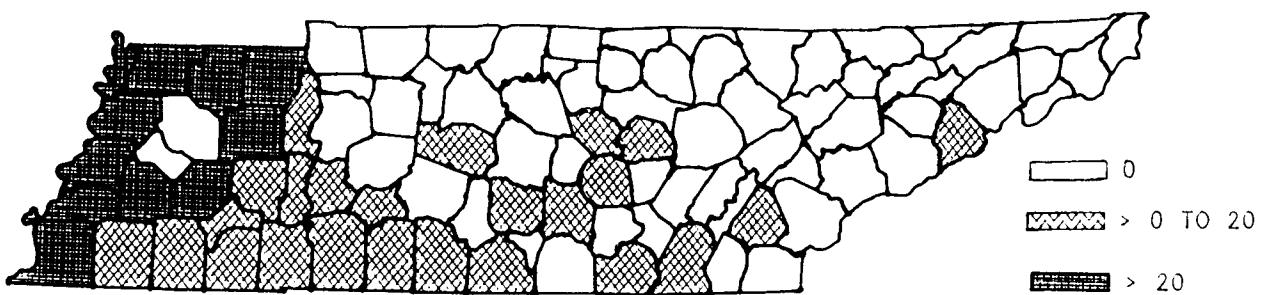


Figure 10.—Percent timberland by county, *Bottomland Hardwood* forest type, a combination of *Oak/Gum/Cypress* and *Elm/Ash/Cottonwood* forest types (see table 41), Tennessee, 1989.

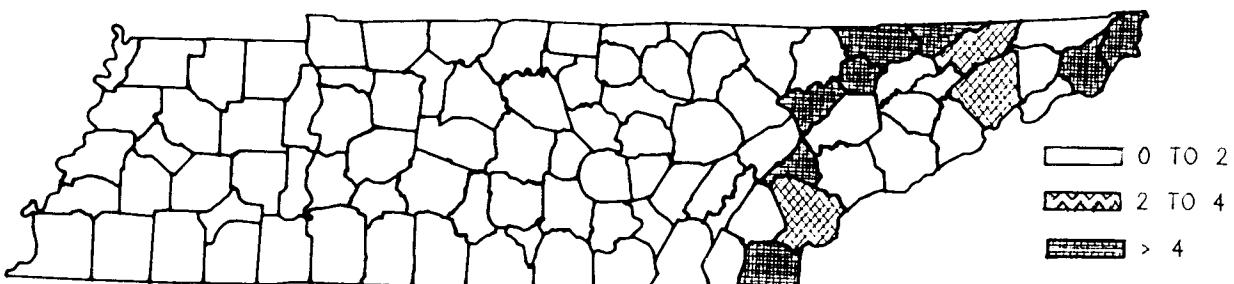


Figure 11.—Percent timberland by county, *Maple/Beech/Birch* forest type (see table 41), Tennessee, 1989.

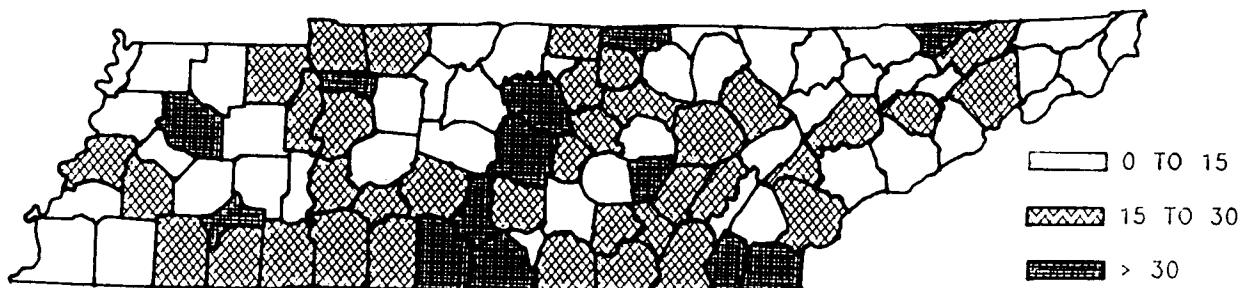


Figure 12.—Percent timberland by county, sapling and seedling stand-size class, Tennessee, 1989.

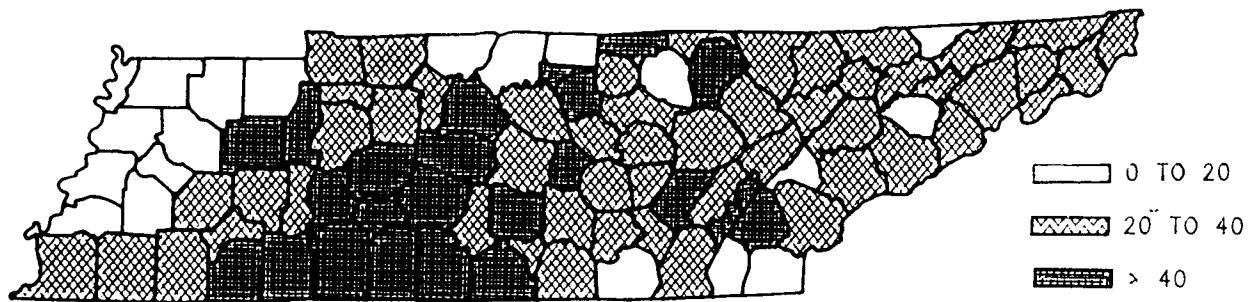


Figure 13.—Percent timberland by county, poletimber stand-size class, Tennessee, 1989.

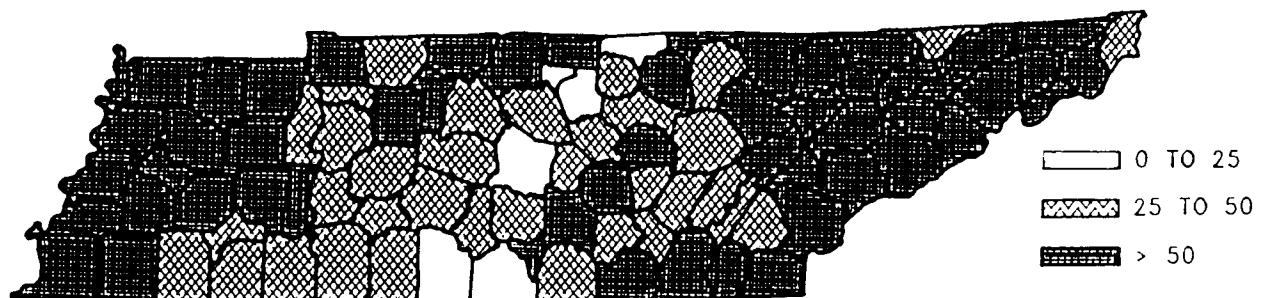


Figure 14.—Percent timberland by county, sawtimber stand-size class, Tennessee, 1989.

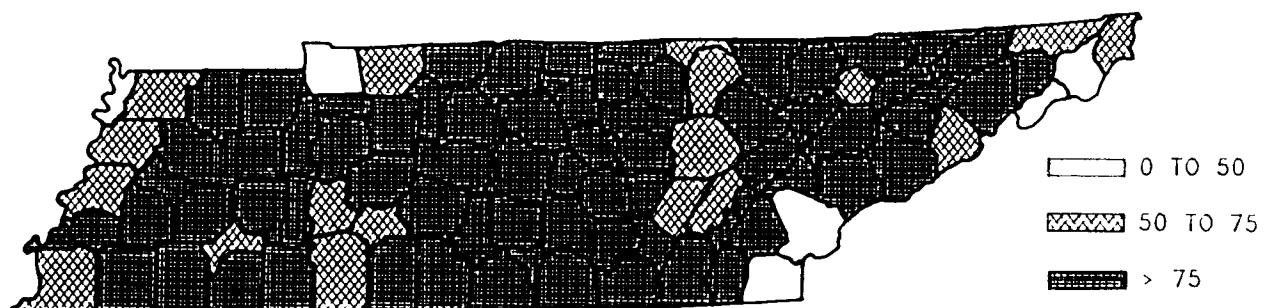


Figure 15.—Percent timberland by county, nonindustrial private ownership class, Tennessee, 1989.

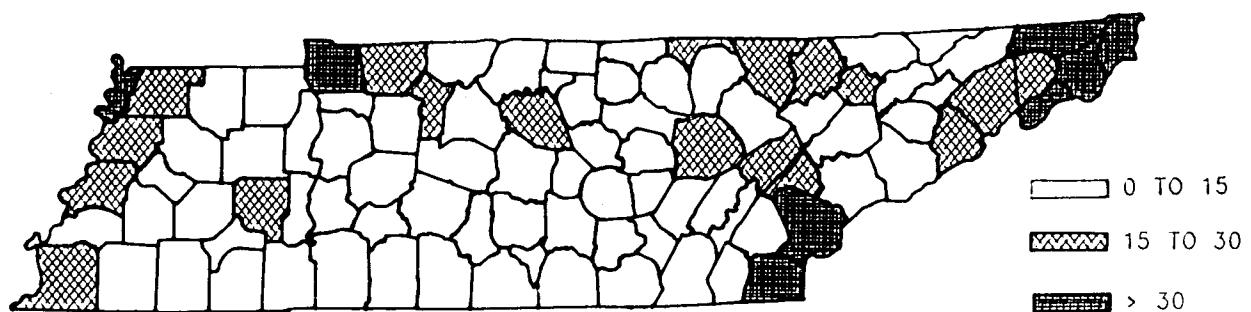


Figure 16.—Percent timberland by county, public ownership class, Tennessee, 1989.

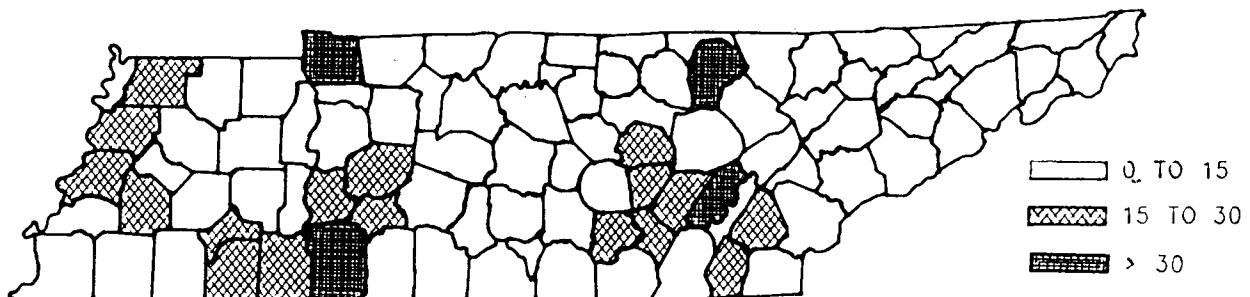


Figure 17.—Percent timberland by county, forest industry ownership class, Tennessee, 1989.

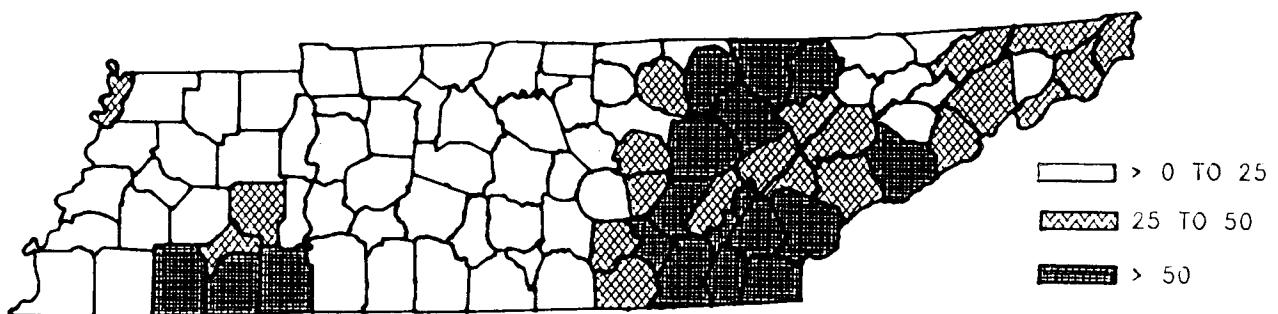


Figure 18.—Softwood volume of growing stock by county, in million cubic feet, Tennessee, 1989.

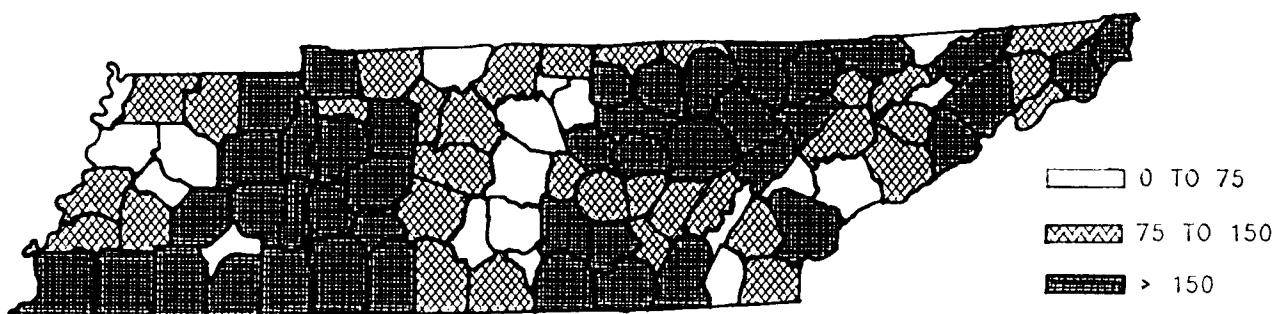


Figure 19.—Hardwood volume of growing stock by county, in million cubic feet, Tennessee, 1989.

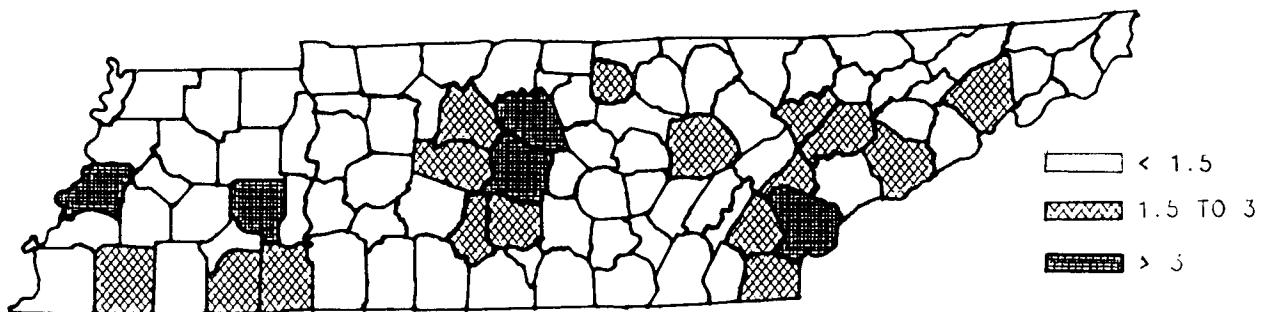


Figure 20.—Softwood volume of rough and rotten trees by county, in million cubic feet, Tennessee, 1989.

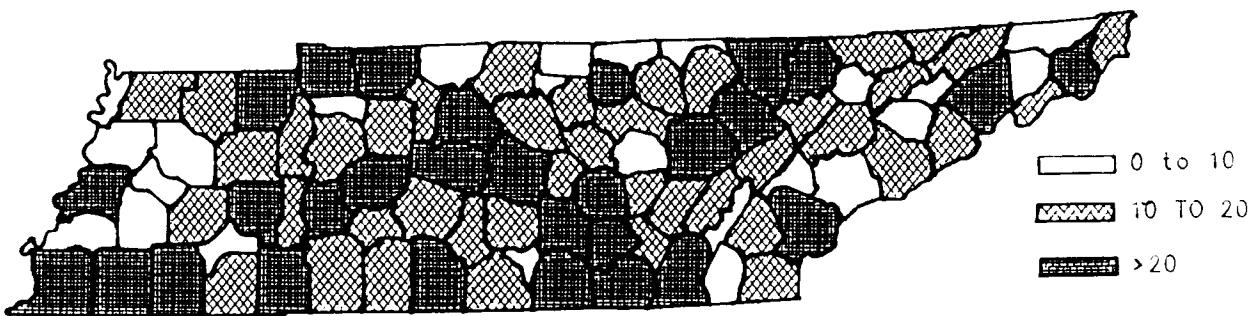


Figure 21.—Hardwood volume of rough and rotten trees by county, in million cubic feet, Tennessee, 1989.

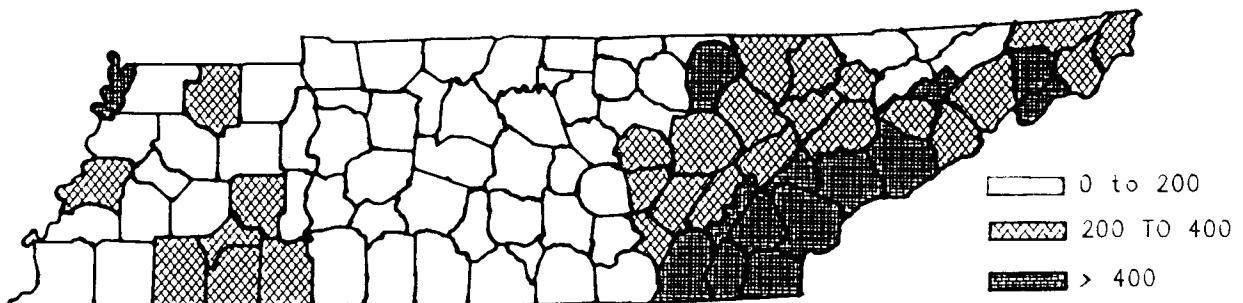


Figure 22.—Average softwood volume of growing stock on timberland by county, in cubic feet per acre, Tennessee, 1989.

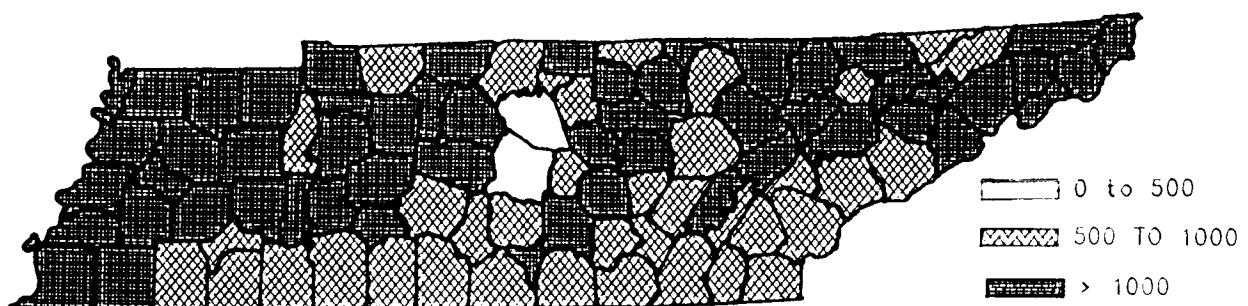


Figure 23.—Average hardwood volume of growing stock on timberland by county, in cubic feet per acre, Tennessee, 1989.

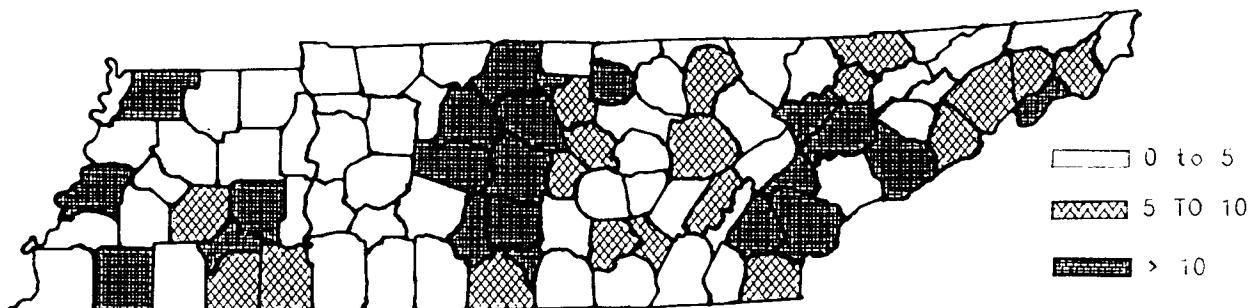


Figure 24.—Average softwood volume of rough and rotten trees on timberland by county, in cubic feet per acre, Tennessee, 1989.

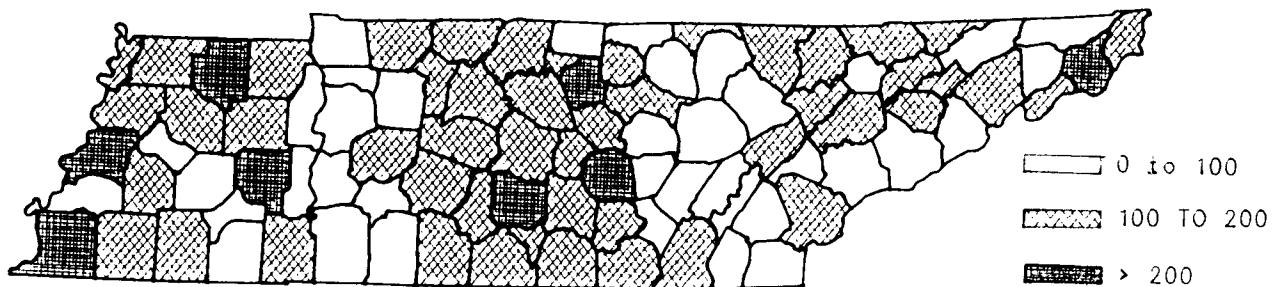


Figure 25.—Average hardwood volume of rough and rotten trees on timberland by county, in cubic feet per acre, Tennessee, 1989.

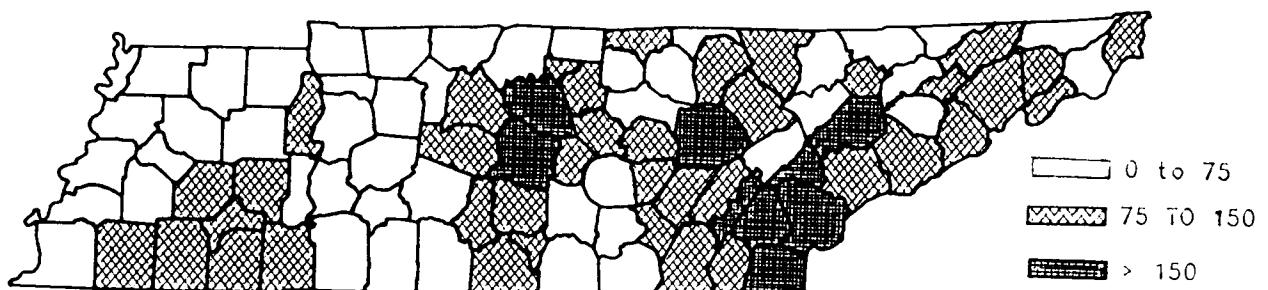


Figure 26.—Average number of live softwood trees per acre on timberland by county, Tennessee, 1989.

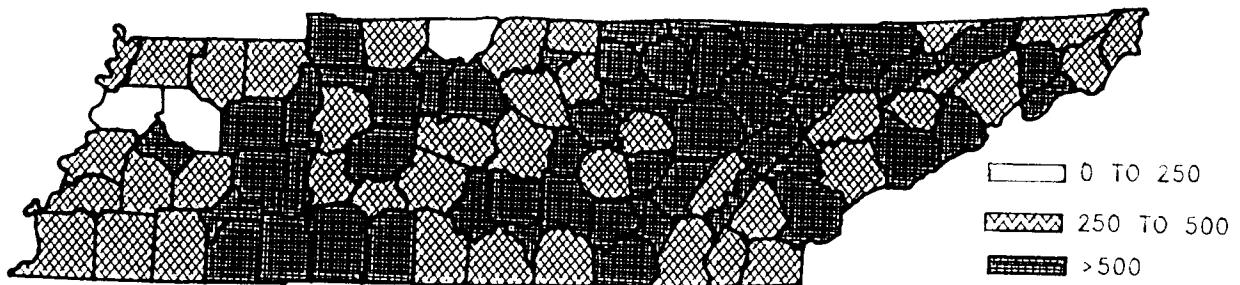


Figure 27.—Average number of live hardwood trees per acre on timberland by county, Tennessee, 1989.

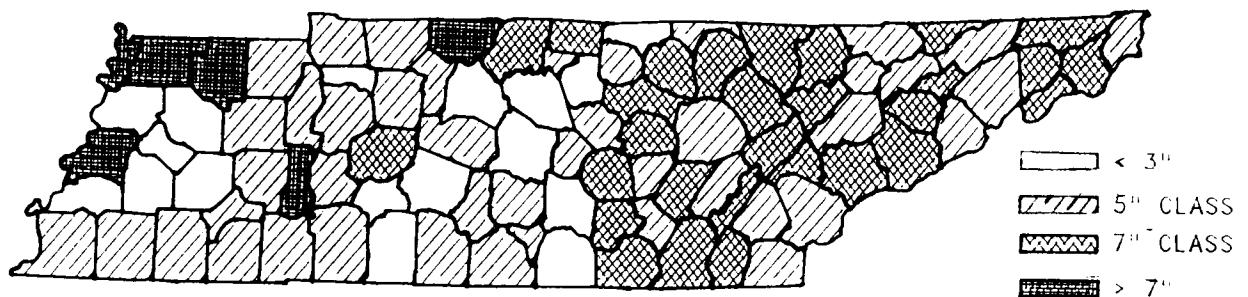


Figure 28.—Average softwood DBH by county, quadratic mean diameter in inches, two inch diameter classes, Tennessee, 1989.

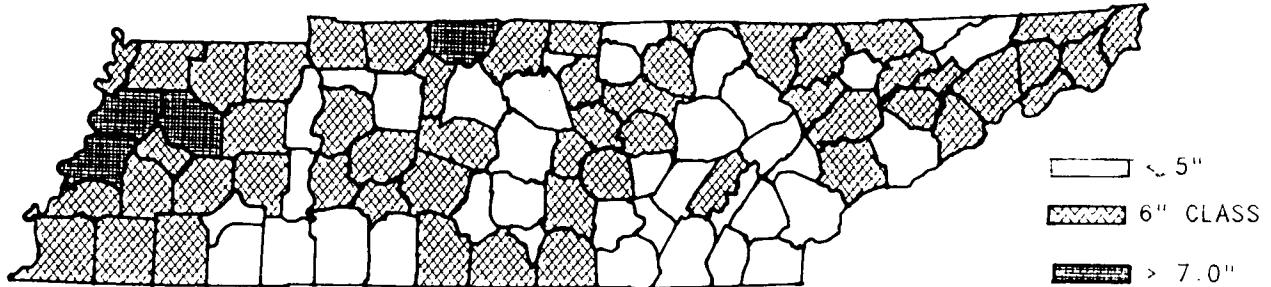


Figure 29.—Average hardwood DBH by county, quadratic mean diameter in one inch diameter classes, Tennessee, 1989.

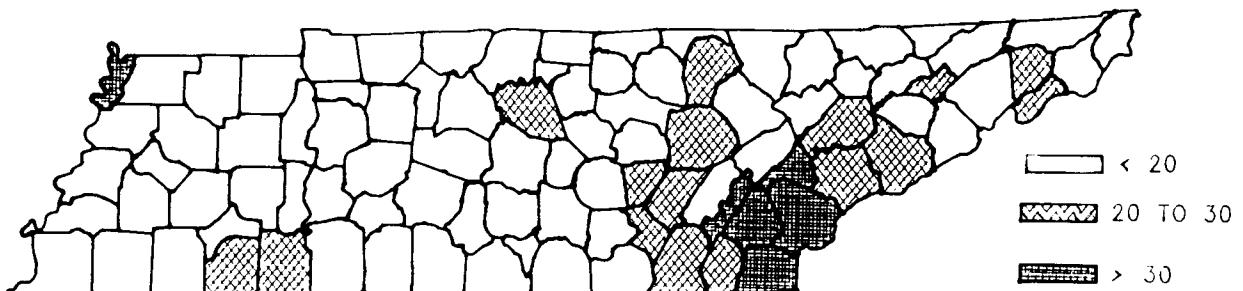


Figure 30.—Average softwood basal area per acre on timberland by county, in square feet, Tennessee, 1989.



Figure 31.—Average hardwood basal area per acre on timberland by county, in square feet, Tennessee, 1989.

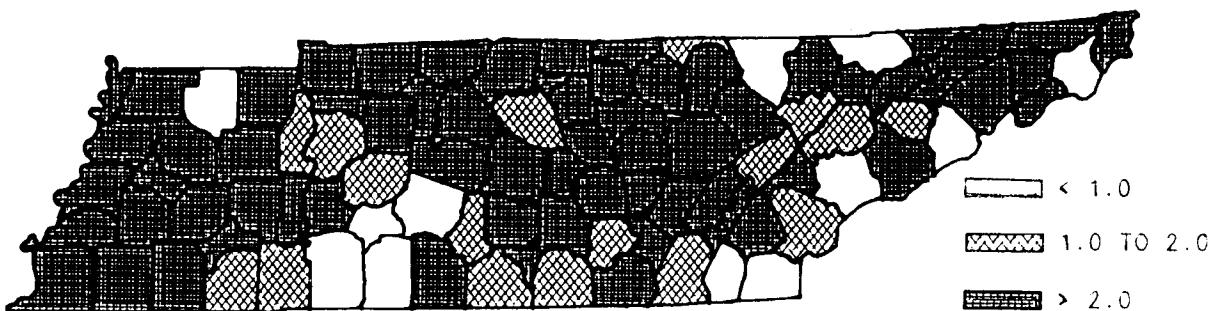


Figure 32.—Ratio of average net annual growth to average net annual removals of growing stock for softwoods by county, Tennessee, 1989. A value greater than 1.0 indicates more growth than removals; a value less than 1.0 indicates more removals than growth.

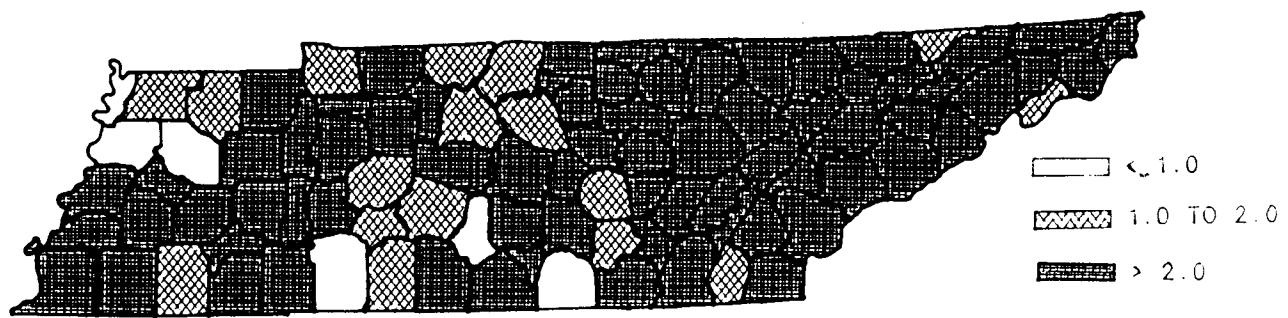


Figure 33.—*Ratio of average net annual growth to average net annual removals of growing stock for hardwoods by county, Tennessee, 1989. A value greater than 1.0 indicates more growth than removals; a value less than 1.0 indicates more removals than growth.*

Vissage, John S.; Duncan, K. L. 1990. Forest Statistics for Tennessee Counties—1989. Resource Bull. SO-148. New Orleans, LA: U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station. 72 p.

Tabulates forest resource information from a new inventory of the counties of Tennessee.

Additional Keywords: Area, volume, forest type, stand size, ownership.

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